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**INDEX TO THE PROCEEDINGS  
OF  
10 USDA-LAND-GRANT UNIVERSITY SEMINARS  
FOR FOOD SERVICE SUPERVISORY PERSONNEL  
1969-1970-1971**



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## CONTENTS

	Page
SCOPE OF THE FOOD AND NUTRITION INFORMATION AND EDUCATIONAL MATERIALS CENTER	iii
FOREWORD	v
PREFACE	viii
HOW TO USE THE INDEX	ix
AVAILABILITY OF REFERENCES CITED	x
SAMPLE CITATIONS	xi
ABSTRACTS OF PROCEEDINGS BY VOLUMES	xii
BIBLIOGRAPHY (Citations)	1
Consumer Education	1
Nutritional Science and Nutrition Education	1
History	5
Food Standards and Legislation	5
Management and Administration	6
Education and Training	12
Menu Planning	14
Food Preparation and Production	15
Equipment	15
Food Technology	15
Programs - General	16
Reference Materials	18
Purchasing, Receiving, and Storage	18
SUBJECT INDEX	19
PERSONAL AUTHOR INDEX	25
TITLE INDEX	26

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SCOPE OF THE  
FOOD AND NUTRITION INFORMATION AND  
EDUCATIONAL MATERIALS CENTER

The Food and Nutrition Information and Education Materials Center (FNIC) is designed to assemble, maintain, and disseminate resource materials for training School Food Service personnel who implement USDA's Child Nutrition Programs.

In addition, through the FNIC, users have access to the total resources of the National Agricultural Library (NAL)

FNIC collects literature related to food service and nutrition. These materials include books, journal articles, pamphlets, government documents, special reports, proceedings, bibliographies, etc. In addition, FNIC maintains a collection of nonprint media in the form of films, filmstrips, slides, games, charts, audiotapes, and video cassettes.

Documents, articles, and audiovisual aids of substantial interest to the school food service and nutrition education community are selected for inclusion in the Catalogs.

These Catalogs are published periodically. The present catalogs are entitled as follows:

1. Catalog Food and Nutrition Information and Educational Materials Center June 1973. (Accession numbers 1-73 to 2366-73, inclusive)
2. Catalog Supplement 1. Cumulative Index Food and Nutrition Information and Educational Materials Center June 1974. (Accession Numbers 2367-4211, inclusive)

The 1974 Supplement to the Catalog contains a listing of materials processed by the Center from April 1973 through April 1974. The indexes at the back of the Catalog are cumulative and refer to materials listed in both the June 1973 Catalog and June 1974 Catalog Supplement. Additional supplementary catalogs will be issued as warranted by the number of acquisitions processed for the collection in subsequent periods. A separate Catalog, "Audiovisual Guide to the Catalog of the Food and Nutrition Information Center", is available also.

The "Index to the Proceedings of 10 USDA Land-Grant University Seminars for Food Service Supervisory Personnel 1969-1970-1971" was compiled from the permanent records used for citations in the above mentioned Catalog.

Comments and suggestions about the content of these Catalogs  
or this Index should be addressed to:

Head, Food and Nutrition Information and  
Educational Materials Center, Room 304  
National Agricultural Library  
Beltsville, Md. 20705

## FOREWORD

In the past few years the Food and Nutrition Service has worked closely with the State Directors of Child Nutrition Programs and the Land-Grant Colleges and Universities to upgrade the managerial abilities of incumbent food service supervisory personnel and to train potential supervisors in nutrition and quantity food service to more effectively meet the nutritional needs of children through well-managed programs.

The training effort originated from a recommendation of the Joint Committee of the U.S. Department of Agriculture and Land-Grant Universities on Education for Government Service in 1967. This Committee recommended a broad-scale training program which was endorsed by the 1968 Convention of the National Association of State Universities and Land-Grant Colleges. A School Lunch Task Force Committee drew up a plan of action which was approved by the National Association and USDA. At the National School Lunch Workshop in April 1969, State Directors of School Food Service endorsed it and recommended that the plan be aggressively supported.

Members of the School Lunch Task Force included Louise Frolich, American School Food Service Association; Gordon Gunderson, Director of School Food Services in Wisconsin; Josephine Martin, Director of School Food Services in Georgia; Bertha Olsen, School Lunch Division, Consumer and Marketing Service<sup>1/</sup>; Grace E. Goertz, The University of Tennessee, Knoxville, Chairman; Donald E. Lundberg, The University of Massachusetts, Vice-Chairman; and Herbert D. Rorex, School Lunch Division, C&MS, Executive Secretary.

The Plan of Action presents mechanisms for encouragement, evaluation, coordination funding of research and training programs for School Food Service personnel at Federal, State, and local levels. Recommendations include Regional Seminars for presently employed professional staff, Regional or District Centers and Traineeships for graduate study, Research Programs, Training Programs for workers and unit managers, and an Education Materials Center. The following is quoted from the report of the School Lunch Task Force Committee:

### "Regional Seminar"

"A professional food service director is needed to supervise and direct food service activities for every 20 schools. With 70,000

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<sup>1/</sup> In August 1969 Federal food assistance programs were transferred from the Consumer and Marketing Service (C&MS), now the Agricultural Marketing Service, and consolidated in a new agency, Food and Nutrition Service.

school food service programs in the United States, 3,500 directors are needed.<sup>2/</sup> Presently, approximately 1,200 are employed and 2,300 additional are needed. Many of the 1,200 employed directors need additional training. In a Task Force survey in which sixty-six percent of the State School Food Service directors responded, all reporting states indicated a need for more academic training of their presently employed professional staff members. Regional summer seminars would assist in providing opportunity for these staff members to receive additional training.

The TASK FORCE recommended that the JOINT COMMITTEE:

1. Encourage at least one of the Land Grant Colleges in each of the five administrative regions of the Department of Agriculture - C FP (C&MS) to conduct one-week seminars during the summer of 1969 for state and system-level school food service supervisors and/or consultants.
2. Request the SECRETARY OF AGRICULTURE to appoint a committee in each region composed of representatives from the host Land Grant College, School Lunch Division, the state school food service director of the host state, and a representative of the present Task Force to plan and implement the proposal. The School Lunch Division representative should be a member of all regional committees. Also, these committees should make long-range plans for the continuation of the regional seminars.
3. Request the SECRETARY OF AGRICULTURE to instruct the School Lunch Division, (C&MS) to implement the financing of the seminars on a cooperative basis with funds such as those provided from Title V, ESEA, State School Food Services, and the Federal School Lunch appropriations."

The implementation of the above recommendations began in 1969 when one seminar was funded by USDA as a prototype. This was the Southeastern Regional Seminar for School Food Service Administrators, held June 16-27, 1969, by the Department of Food Science and Institution Administration, College of Home Economics, The University of Tennessee. The merit of the prototype seminar was demonstrated by formal evaluation and appraisal, showing that it was a successful initial effort.

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<sup>2/</sup> Refers to 1967 date.

Therefore, three additional management seminars were held in 1970 at Oklahoma State University, Stillwater, Okla.; at the University of Tennessee, Knoxville, Tenn.; and the University of Massachusetts, Amherst, Mass.

Five seminars were held in 1971 at the following institutions:

1. Florida Agricultural and Mechanical College,  
Tallahassee, Fla.
2. Kansas State University, Manhattan, Kans.
3. Pennsylvania State University, University  
Park, Pa.
4. Utah State University, Logan, Utah.
5. University of Wisconsin, Madison, Wis.

The Seminars held in the summer of 1971 were planned to provide impetus to coordinating nutrition education as an aspect of school food service management.

A tenth seminar was held in 1972 at Rutgers University, New Brunswick, N.J. This was a conference to provide interchange between Child Nutrition program administrators and administrative personnel on current projects and to hear first-hand reports on the Rutgers study, "School Feeding Effectiveness Research Project."

All 10 seminars mentioned resulted in published Proceedings. A few chose separate volumes to report on the evaluation required by USDA guidelines. The University of Massachusetts issued Proceedings in three separate volumes.

The abstracts appearing on page xii provide the bibliographic documentation on the 10 volumes of Proceedings issued by these universities.

## PREFACE

The Proceedings of the 10 USDA-Land-Grant College Seminars held in 1969, 1970, and 1971 contain papers plus documented "talk-in" and discussion group sessions. In addition, most of the volumes contain extensive bibliographies which were used either by participants during the Seminars or were included in the publication as resource material. All contain tables of contents. Indexes are not included. Thus, FNIC has attempted to coordinate the papers presented by putting together an accumulative Index.

The papers in these Proceedings constitute a major contribution to the published literature on Child Nutrition Programs. The Food and Nutrition Information and Educational Materials Center has cited these papers in the Catalogs referenced on page iii. FNIC has had many requests for photocopy of articles in these publications and also requests for loan of the Proceedings volumes.

To facilitate greater use of the material contained in the Proceedings, FNIC has retrieved from the computerized FNIC Data Base, the major papers appearing in the 10 volumes, and compiled the material into one special bibliography.

## HOW TO USE THE INDEX

The main sections of this INDEX are:

1. Bibliography: The bibliography is composed of citations of papers appearing in the 10 Proceedings (assigned accession numbers sequentially with the first four digits representing the accession number.<sup>3/</sup> Following the accession number (in order mentioned) is the (1) title of the paper, (2) the author, (3) the seminar proceedings title, (4) location of seminar, (5) date, and (6) page numbers.
2. Subject Index: Descriptor terms appear in an alphabetical index beginning on page 19. Under the terms and arranged alphabetically are titles of papers containing information on the subject headings (or descriptors). The number immediately following is the accession number. Titles are cross-indexed in order for the user to locate information contained in the article. Use the accession number following the title to locate the article in the Index.
3. Personal Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers after the name.
4. Title index: Titles of all citations appear in alphabetical order followed by the accession number.

NOTE: The bibliography is divided into 14 major sections.

The user may scan each of these sections to become familiar with citations in the specific subject areas.

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<sup>3/</sup> The accession numbers in this Index start with 5000-73 on page 1, continue sequentially downward on the page of the left-hand column and at the top of the right-hand column on each page.

## AVAILABILITY OF REFERENCES CITED

The Food and Nutrition Information and Educational Materials Center accepts requests for materials by mail, telephone, and personal on-site visits.

Loans: The FNIC lends most print materials for a period of 1 month. Nonprint media (i.e., films, transparencies, etc.) can be loaned for 2 weeks only. No more than three (3) nonprint media can be loaned at any one time to one person. Films will be scheduled no more than 1 month in advance.

When ordering articles listed in the Index please include the following information: Accession Number (i.e., 5010-73); Title, and Call Number LB3479.UP54 F&N). (See page xi for sample entry).

The FNIC primarily lends materials to the following groups:

1. Employees of the Food and Nutrition Service, USDA
2. State School Food Service Directors and Staff
3. County, City, or District School Food Service Personnel
4. Colleges and universities offering courses applicable to school food service training
5. Professional societies and research institutions involved in school food service and related subject areas.
6. Selected libraries with which FNIC shares reciprocal arrangements.

The Proceedings are available in the Center for on-site use by other persons working or visiting in the Washington metropolitan area.

Photoduplication: The Center will provide photocopy of articles in the Proceedings in lieu of loan of the individual volumes of Proceedings when requested. Copies of these 10 volumes are shelved in the Center and direct loan of any one of the 10 volumes may be secured upon request.

SAMPLE CITATIONS

Volumes of Proceedings

Accession Number	306-73	Title of Seminar
	NUTRITION EDUCATION AND THE RELATED MANAGEMENT PROCESSES: PROCEEDINGS Midwest Regional Seminar for School Food Service Supervisors and Directors, University of Wisconsin, 1971 Madison, Wis. 134 p. 1971	
Call Number	LB3479.U5W5 F&N Communication skills, Inservice education, Integrated curriculum, Malnutrition, Nutrition education, Proceedings, School community relations, School Food Service, Seminars. Extract: This Seminar emphasized nutrition education as an integrated aspect of the educational process and of school food service management. The major content areas were: trends in nutrition education, relationship of hunger-malnutrition and learning behavior, nutrition in relation to other aspects of health education, the decision-making process in nutrition education, and communication aspects of nutrition education.	Informative Extract

Papers in Proceedings

Accession Number	5068-73	Title of Paper
Personal Author	PLANNING: PLANNING A CENTRALIZED SCHOOL FOOD SERVICE SYSTEM Gertrude Applebaum In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970, p. 34-47. June 15/16 1970.	Name of Seminar, University Pagination & Date
Call Number	LB3479.U5T4 F&N Case studies, Organization, School Food Service. Abstract: System for planning and considerations listed for installation of centralized school food service systems.	Abstract of Paper

## ABSTRACTS OF PROCEEDINGS BY VOLUMES

1-73

**NUTRITION EDUCATION: NUTRITION DELIVERY SYSTEMS AND THE MANAGEMENT FUNCTION; PROCEEDINGS.**

Northeast Regional Seminar for School Food Service Supervisors, Pennsylvania State University, 1971

Sara J Clemen

University Park, Pa. 169 p. 1971.

LB3479.05P4 F&N

Dietary standards, Food technology, Inservice education, Nutrition education, Proceedings, School community relations, School food service, Seminars, Systems analysis.

Extract: Under the seminar topic of "Nutrition Education: Nutrition Delivery Systems and the Management Function," two major objectives were identified. The first, to review basic nutrition concepts and significant current research in a manner which emphasized application to a school food service setting. A second objective was to explicate the interface of the school food service operation as one of the many subsystems within the school in such a manner as to provide the supervisors with an effective mechanism to communicate with their important publics: students, faculty, administration, and the parent-community group. Accordingly, attention was directed to obtaining an understanding of the frame of reference and operational characteristics of each of these publics to more effectively deal with related problems and ultimately to aid in the improvement of the nutritional status of the child.

2-73

**MATERIALS AND METHODS IN NUTRITION EDUCATION; PROCEEDINGS,**

**NUTRITION EDUCATION SEMINAR; 1971.**

Florida Agricultural and Mechanical University, Dept. of Home Economics

Tallahassee, Fla. 215 p. 1971.

LB3479.05 F&N

Food service training, Inservice education, Instructional aids, Nutrition education, Proceedings, Resource guides, School food service, Seminars, Teaching techniques.

Extract: This two-week seminar was planned primarily to expand and update knowledge of nutrition education materials and methods for food service training programs. The seminar was structured in four major areas: (1) general information, (2) roles and challenges, (3) instructional, and (4) implementation. These areas were developed through a selection of relevant topics for readings, guest lecture presentations, discussions, panels, and other individual and group activities.

3-73

**NUTRITION EDUCATION AND THE RELATED MANAGEMENT PROCESSES; PROCEEDINGS.**

Midwest Regional Seminar for School Food Service Supervisors and Directors, University of Wisconsin, 1971

Madison, Wis. 134 p. 1971.

LB3479.05W5 F&N

Communication skills, Inservice education, Integrated curriculum, Malnutrition, Nutrition education, Proceedings, School community relations, School food service, Seminars.

Extract: This Seminar emphasized nutrition education as an integrated aspect of the educational process and of school food service management. The major content areas were: trends in nutrition education, relationship of hunger-malnutrition and learning behavior, nutrition as an aspect of social and environmental concerns, nutrition in relation to other aspects of health education, the decision-making process in nutrition education, and communication aspects of nutrition education.

4-73

**INNOVATIVE APPROACHES TO NUTRITION EDUCATION AND RELATED MANAGEMENT PROCESSES; PROCEEDINGS.**

Southwest Region School Food Service Seminar, Kansas State University, 1971

Allene G Vaden

Manhattan, Kan. 363 p. 1971.

LB3479.05K3 F&N

Decision making, Food habits, Inservice education, Integrated curriculum, Nutrition education, Proceedings, School community relations, School food service, Seminars.

Extract: The objectives of the seminar were: to create an awareness of current trends and a desire for further knowledge in nutrition among school food service supervisory personnel; to stimulate an interest in effective techniques that will cause behavioral changes in the nutrition of children; to utilize innovative instructional tools, methods, and media for effective school nutrition programs; to make supervisors aware of the potential value and the necessity of training school food service personnel in nutrition education; and to encourage coordination between ongoing education processes in the classroom and the child nutrition programs.

5-73

**NUTRITION EDUCATION IN THE SCHOOL FOOD SERVICE; CHALLENGE, CHANGE, AND COMMITMENT; PROCEEDINGS.**

Western Regional School Food Service Seminar, Utah State University, 1971

Logan, Utah 161 p. 1971.

LB3479.05U8 F&N

Food additives, Food habits, Inservice education, Malnutrition, Mental development, Nutrition education, Proceedings, School food service, Seminars.

Extract: The objectives for the seminar were: to update supervisory personnel in nutritional trends and knowledge so that they more effectively carry the message of nutrition to the local level of school food service; to develop a better understanding of the interrelationship of economic, cultural, social and physical factors which directly affect nutrition problems and nutrition education programs; to develop innovative instructional tools, methods and materials which may be used efficiently and effectively in developing realistic child nutrition programs; and to make food service supervisory personnel aware of the necessity for cooperating with other school personnel and students for help in implementing their nutrition education programs.

6-73

**INNOVATIVE MANAGEMENT FOR THE EXPANDING SCHOOL FOOD SERVICE PROGRAM; PART 1: THE PURPOSE, ORGANIZATION, PROGRAM, ARRANGEMENTS, ACADEMIC CREDIT PROVISIONS, EVALUATION, AND ATTENDEES OF THE SEMINAR; PART 2: PRESENTATIONS OF THE SPEAKERS; PART 3: DISCUSSION GROUP REPORTS.**

Northeast School Food Service Seminar, Univ. of Massachusetts, 1970

Amherst, Mass. 402 p. 1970.

LB3479.05M3 F&N

Food service management, Inservice education, Proceedings, School food service, Seminars.

Abstract: This section of the Proceedings of the Northeast School Food Service Seminar includes the presentations made by the seminar speakers and instructors, and highlights of the discussions which took place following presentations. The people who appeared on the program included professors, school food service administrators and business managers, school food service suppliers, food manufacturers, school food service system people, and representatives of the United States Department of Agriculture and the state departments of education. Also on the program were school food service people operating programs with new clientele. The presentations were designed to provide seminar participants with instruction, demonstration, and information contributing to innovative management for expanding school food service programs.

7-73

**MANAGEMENT FUNCTIONS FOR STATE AND SYSTEM LEVEL SCHOOL AND NON SCHOOL FOOD SERVICE ADMINISTRATORS; PROCEEDINGS.**

Southeastern Regional Seminar for School Food Service Administrators, Univ. of Tenn., 1969

Knoxville, Tenn. 144 p. 1969.

LB3479.05T4 1969 F&N

Communication, Computer applications, Food service management, Inservice education, Low income groups, Personnel, Proceedings, Quality control, Seminars.

Extract: The objectives of the seminar were to develop an understanding of management functions and their application to the school food service and to develop materials for use in future food service seminars.

8-73

**MANAGEMENT FUNCTION OF A CENTRALIZED SCHOOL FOOD SERVICE SYSTEM; PROCEEDINGS.**

Southeastern Regional Seminar for School Food Service Administrators, University of Tennessee, 1970

Knoxville, Tenn. 158 p. 1970.

LB3479.05T4 F&N

Budgeting, Facilities planning and layout, Food delivery systems, Food service management, Inservice education, Personnel, Proceedings, School food service, Seminars.

Extract: The emphasis of this seminar was on the application

BIBLIOGRAPHY

9-73

of the management functions to centralized school food service systems. Purposes of the seminar were: (1) to improve the management functions of centralized food services for school and day care centers for more effective child nutrition programs and (2) to discuss and define the transitional operation needed to convert a decentralized food service unit to a centralized system.

9-73

NEW CONCEPTS IN MANAGEMENT; PROCEEDINGS.  
Southwestern Regional Seminar for School Food Service Administrators, Oklahoma State University, 1970  
Stillwater, Okla. 200 p. 1970.

LB3479.U5039 F&N

Communication skills, Food service management, Group dynamics, Inservice education, Nutrition education, Personnel, Proceedings, School food service, Seminars.

Extract: The purpose of these Proceedings is to relate, in part, the information which was presented and shared via speeches, panel and group discussions during the two week seminar. Purposes of the seminar were: (1) to stimulate utilization of group dynamics and (2) to develop the dimensions of management.

10-73

PROCEEDINGS.  
National School Food Service Conference, Rutgers University, 1972

New Brunswick, N.J. 184 p. 1972.

TX345.N3 1972 F&N

Child nutrition programs, Conferences, Food standards and legislation, Food technology, Nutrient standards, Nutrition, Nutrition policy, Proceedings, School food service.

Extract: U.S. Department of Agriculture and the office of Economic Opportunity jointly sponsored a two-year research program, funded to Rutgers University. The program had four objectives: (1) to design a more effective system of school feeding, especially in schools now without food service facilities; (2) to investigate means of improving the nutritive value and acceptability of school food through processing and fortification of donated commodities, and through the use of the technical and marketing ingenuity of the U.S. food industry; (3) to explore ways of using school programs to promote the commercial marketing of nutritionally improved foods; (4) and to gather basic data to improve the USDA feeding program. The purposes of this conference were: to provide and interchange among state school lunch directors, government officials, and cooperating food industry representatives; and to report on the findings of the Rutgers-USDA/OEO project.



# BIBLIOGRAPHY

## Consumer Education

5000-73

### CONSUMER EDUCATION IN NUTRITION.

Clinton O Chichester

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 141-145. June 27-29, 1972.

TX345.N3 1972 F&N

Child nutrition programs, Consumer education, Food habits, Food preferences, Food selection, Instructional aids, Nutrition, Nutrition education, Nutritional labeling.

Abstract: The person who understands nothing about nutrition is unlikely to eat a nutritious diet or to select nutritious foods for his or her children. This fact becomes all-important when considering the establishment of an effective child nutrition program. Nutrition education must involve parents as much as school children because it is a home where children learn the basic eating habits and food preferences that last throughout their lifetime. Nutritional labeling of commercial foods will provoke an initial interest in the nutritive value of foods. This interest must then be caught and held by intensive programs in consumer education and nutrition. Schools will play an important role. In the total education of the adult and child there is a need for coordination of educational methods and content. There must be a commonality in the description of foods consistent with basic educational efforts. Intense motivational research is needed to find out how consumers can be persuaded to improve their diet and learn to prepare foods so as to retain the nutritional value.

to adequate daily nutrition.

5004-73

### FOODS FADS AND FALLACIES.

Flora Bardwell

In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 24. June 21/july 2, 1971.

LB3479.U5039 F&N

Food beliefs.

Abstract: This paper discusses the various myths promoted by food quacks, and gives tips on how to recognize food quacks and food faddism.

5005-73

### IMPLEMENTING NUTRITION EDUCATION IN SCHOOL FOOD SERVICE.

E M Berdahl

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 62-64. June 21/july 2, 1971.

LB3479.U5U8 F&N

Age groups, Nutrition education, School food service.

Abstract: This paper discusses the implementation of nutrition education in the school food service. The needs of children of varying ages for nutrition education and the role played by the school lunch program in meeting these needs are presented.

5006-73

### CALORIES, ENERGY AND WEIGHT CONTROL.

G Lynn Brinkman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 50-55. July 12/24, 1971.

LB3479.U5P4 F&N

Caloric values, Energy, Weight control.

Abstract: This paper deals with the energy values of different food groups, methods of testing metabolic rate and determining obesity, ways to lose weight effectively and the problems involved in food faddism as related to weight loss.

5007-73

### VITAMINS AND BODY STRUCTURE.

G Lynn Brinkman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 43-45. July 12/24, 1971.

LB3479.U5P4 F&N

Nutrition, Vitamins.

Abstract: This paper reviews the vitamins and their functions in the body.

5008-73

### EXPLANATION OF FOOD COMPOSITION TABLES AND COMPARISON OF ACTUAL INTAKE WITH RECOMMENDED INTAKE.

G Lynn Brinkman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 56-58. July 12/24, 1971.

LB3479.U5P4 F&N

Food composition tables, Food tables, content, Nutrient values, Recommended Dietary Allowances.

Abstract: This paper explains food composition tables, and discusses the comparison of actual intake with recommended intake. A listing of three of the better known food tables a brief discussion of the report, and Recommended Dietary Allowances are included.

5009-73

### FATS AND HEART DISEASE.

G Lynn Brinkman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 49. July 12/24, 1971.

LB3479.U5P4 F&N

Cardiovascular disorders, Disease prevention, Fats and oils.

Abstract: This paper reviews the various types of fats and their chemical composition. The relationships between the intake of saturated fats and cholesterol and arteriosclerosis and heart disease are included.

5010-73

### REVIEW OF PROTEIN AND CARBOHYDRATE METABOLISM.

G Lynn Brinkman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 22-24. July 12/24, 1971.

LB3479.U5P4 F&N

Carbohydrates, Metabolism, Proteins.

Abstract: This paper presents a review of protein and carbohydrate metabolism. The Protein Efficiency Ratio and the relationship of high sugar consumption levels to certain diseases

## Nutritional Science and Nutrition Education

5001-73

### "TALK-INS"--SUMMARY OF GROUP REPORTS: ROLE OF THE SCHOOL FOOD SERVICE IN NUTRITION EDUCATION.

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 76-79. July 12/23, 1971.

LB3479.U5K3 F&N

Food service supervisors, Nutrition education, School food service.

Abstract: This section of the proceedings covers "Talk-Ins" held during the seminar. Participants were divided into groups for discussion to gain insight into the role of the school food service and in particular the food supervisor in nutrition education. Questions relating to this objective were discussed and pertinent points from the discussions are included.

5002-73

### RECENT ADVANCES & PROBLEMS IN NUTRITION & FOOD SCIENCE, AND IMPLICATIONS FOR CHILD NUTRITION PROGRAMS.

Aaron Altschul

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 18-27. June 27-29, 1972.

TX345.N3 1972 F&N

Child nutrition programs, Food science, Innovation, Nutrition, Prediction, Research, School lunch.

Abstract: The school food service plays an essential role in the up-grading and maintenance of the nutritional status and food habits of children. School officials, now and in the future, must be prepared to develop to the utmost the new techniques of feeding and nutrition education that will be needed to improve the as yet inadequate child nutrition programs. These new techniques must help solve not only the existing problems of children but also the anticipated problems that they will face as adults. One of the most important components will be to arrange a workable system of feedback from the community in which the child lives in order to better define the child's problems vis-a-vis nutrition and education so that corrections in child nutrition programs can be made on a continuing basis.

5003-73

### GUIDELINES FOR ADEQUATE NUTRITION.

Flora Bardwell

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 23. June 21/july 2, 1971.

LB3479.U5U8 F&N

Nutrition, Recommended Dietary Allowances.

Abstract: This paper briefly discusses the "4,4,3,2 clue," (4 servings of vegetables and fruits, 4 of the cereal group, 3 from the milk group and 2 from the meat group) as a guide

## BIBLIOGRAPHY

5011-73

are included.

5011-73

MINERALS AND BODY STRUCTURE.

G Lynn Brinkman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 37-42. July 12/24, 1971.

LB3479.05P4 F&N

Iron, Iron-deficiency anemia, Minerals, Nutrition.

Abstract: This paper discusses the macro- and micro-nutrients essential to life and their relation to body structure and disease conditions. Iron and iron-deficiency anemia are discussed to greater extent than the other elements.

5012-73

NUTRITION, LEARNING, BEHAVIOR AND MOTIVATION.

Karl M Brooks

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 67-69. July 18/28, 1971.

LB3479.05 F&N

Behavior, Motivation, Nutrition.

Abstract: This presentation concerns general aspects of the new science known as psychodietetics. A study on the relationship between nutrition and behavior of children carried out at Tulane University's Early Childhood Research Center is included.

5013-73

SENSIBLE NUTRITION.

Jean Caul

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 216-220. July 12/23, 1971.

LB3479.05K3 F&N

Flavor, Food selection, Nutrition, Taste.

Abstract: This paper presents an outline for sensible nutrition. Major areas of the outline cover the sight, feeling, taste, smell, and flavor of foods and the ways these factors affect the acceptance of foods.

5014-73

IMPROVING NUTRIENT CONTENT OF FOODS SERVED.

Mary Coleman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 61-62. July 12/24, 1971.

LB3479.05P4 F&N

Iron, Nutrient values, Proteins, School lunch.

Abstract: This paper discusses means for improving the nutrient content of school lunches, particularly in relation to iron and protein.

5015-73

SENSORY EVALUATION OF FOODS.

Mary Coleman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 59-60. July 12/24, 1971.

LB3479.05P4 F&N

Evaluation, Foods, Sensory appraisal.

Abstract: This paper discusses the sensory evaluation of foods for tenderness, flavor, color and other qualities. Sensory evaluation methods include the use of defined standards and the Hedonic Scale.

5016-73

FOOD MICROBIOLOGY: THEORETICAL BASIS AND POPULARIZED MATERIAL.

Mary Coleman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 46-48. July 12/24, 1971.

LB3479.05P4 F&N

Food poisoning, Satellite.

Abstract: This paper discusses food poisoning causes and its control. Keeping foods below 40 degrees F or above 140 degrees F is recommended. Problems involved in satellite feeding are presented.

5017-73

PANEL: BECOME INVOLVED IN NUTRITION EDUCATION.

Francis Dobbins, Carol Mayfield, Roger Whitcomb

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 54-68. July 12/23, 1971.

LB3479.05K3 F&N

Nutrition education, School food service.

Abstract: This panel was held to provide insight into the role of various individuals and groups in a nutrition education program. The panel presentations covered three major questions: 1) what are the existing groups that can be involved in nutrition education? 2) how can the school food service supervisor work with these various groups in developing a nutrition education program? and 3) what contribution can these various groups make to a nutrition education program? panel members included a moderator, a parent representative, a community representative, a school board member, a teacher, a school food service director, and a school administrator.

5018-73

UNIFIED APPROACHES TOWARD NUTRITION EDUCATION THROUGH SCHOOL FOOD SERVICE AND HOME ECONOMICS EDUCATION.

Allie E Ferguson

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 82-92. July 18/28, 1971.

LB3479.05 F&N

Home economics education, Nutrition education, School food service.

Abstract: This paper discusses unified approaches to nutrition education through school food service and home economics education. The accountability of teachers and school food service people in relation to nutrition education, and the ways nutrition educators can improve the nutritional status of those for whom they are responsible are discussed. The variety of emphases in the high school home economics classes are presented. Use of special foods and educational media, youth clubs, and an individualized foods class for grades K-12 are included.

5019-73

ROLES AND CHALLENGES OF SCHOOL FOOD SERVICE IN NUTRITION EDUCATION.

Thelma G Flanagan

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 30-50. July 18/28, 1971.

LB3479.05 F&N

Nutrition education, School food service.

Abstract: This keynote address deals with the roles and challenges in nutrition education. Topics covered include a brief history of regional nutrition education seminars and reasons school food service administrators should attend such seminars, the history of school lunch service and nutrition education efforts, reasons for nutrition education failures, competitive food services in schools, the passage of Public Law 91-248 and its provisions for nutrition education, synthetic and fortified foods, the establishment of the Nutrition Information Center within the National Agriculture Library, the organization of the Society for Nutrition Education, the lack of teachers skilled for nutrition education, and the challenges involved in activating a nutrition education program.

5020-73

WHY PEOPLE EAT WHAT THEY EAT.

Hazel Fox

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 156-158. July 12/23, 1971.

LB3479.05K3 F&N

Age groups, Children, Food habits.

Abstract: This paper discusses why people eat what they eat. Basically people eat what is available to them and Lewin's studies show that they like what they eat rather than eat what they like. Changes in eating patterns can best be effected if they are incorporated into an existing value system. A discussion of the development of food habits in young children and preschoolers is included.

5021-73

HOW UP-TO-DATE IS YOUR NUTRITION KNOWLEDGE?

Hazel Fox

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 51-53. July 12/23, 1971.

LB3479.05K3 F&N

Education, Recommended Dietary Allowances, School food service.

Abstract: This paper questions the up-to-dateness of nutrition knowledge among school food service people. A review of the physiological aspects of nutrition, a discussion of the Recommended Dietary Allowance, the necessity for a knowledge of food composition and the problems of overnutrition in the U.S. are included.

5022-73

BE CREATIVE IN NUTRITION EDUCATION.

Hazel Fox

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 124-126. July 12/23, 1971.

LB3479.05K3 F&N

Behavior change, Food habits, Nutrition education.

Abstract: This paper discusses the teaching of nutrition education for behavioral change. The slowness of people to change their eating habits and the realization that facts do not necessarily alter behavior are emphasized. Because the present goal is to change food behavior in a desirable manner, the emphasis in nutrition education is shifting from dull recitations of facts to newer and more creative avenues.

5023-73

PANEL: PROBLEMS ENCOUNTERED IN SCHOOL FOOD SERVICE.

Irene Grobstein, Patricia Boyd, Ben Madina

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 51-54. June 21/july 2, 1971.

LB3479.05U8 F&N

Attitudes, Children, Food habits, School food service.

Abstract: This paper presents information from a panel discussion on problems encountered in school food service. Children's attitudes toward foods, diet considerations for a diabetic child, a breakfast program in an elementary school in Salt

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5037-73

Lake City, and food habits of the Navajos are included.

5024-73

NUTRITION: A PRE-CONDITION TO LEARNING.

Helen Guthrie

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 63-65. July 12/24, 1971.

LB3479.U5P4 F&N

Learning, Malnutrition, Nutrition.

Abstract: This paper discusses the relationships between nutrition and learning. Included are considerations of the effects of malnutrition on brain size, the problems of inattentiveness due to hypoglycemia and iron deficiency anemia, and the positive effects that school breakfast and lunch programs can have in combating the two latter conditions.

5025-73

MALNUTRITION IN THE WESTERN UNITED STATES.

R G Hansen

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 28-30. June 21/july 2, 1971.

LB3479.U5U8 F&N

Malnutrition, United States.

Abstract: This paper discusses the determination of nutritional adequacy in the U.S., particularly in the Western states. Biochemical test showed that varying percentages of the population are deficient in essential nutrients such as fluoride, iodized salt, iron, calcium and the A and B vitamins. Some corrective measures for improvement of nutrition and a discussion on the problems involved in the consumption of flour in which too high a percentage of wheat has been extracted are included.

5026-73

TRACE MINERALS.

D G Hendricks

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 22. June 21/july 2, 1971.

LB3479.U5U8 F&N

Minerals, Trace elements.

Abstract: This paper discusses the function and food sources of some microminerals thought to be essential for normal body functioning.

5027-73

INTRA-STATE GROUP MEETING TO DISCUSS ALTERNATIVES

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 45. July 19/30, 1971.

LB3479.U5W5 F&N

Nutrition education.

Abstract: Nominal Group Meeting Process for defining the problems in nutrition education.

5028-73

CULTURAL FOOD PATTERNS AND SCHOOL FOOD SERVICE.

Norge W Jerome

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 321-329. July 12/24, 1970.

LB3479.U5M3 F&N

Cultural factors, Food habits, School food service.

Abstract: The environmental, cultural and psycho-social factors which play an integral part in food preferences. The aspect of food communication is noted. The accessibility of the school food service steamtable to transmit important cultural values to youth is emphasized.

5029-73

NUTRITION FOR YOUNG MINDS.

Nancy E Johnson

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 19-20. July 19/30, 1971.

LB3479.U5W5 F&N

Infant diets, Malnutrition, Mental retardation.

Abstract: This paper discusses the relationship between malnutrition and the development of mental retardation in young children. Nutrition studies indicate that inadequate nutrient intakes may result in diminished brain development and a critical period exists during the first five to six months and possibly the first year of life.

5030-73

COORDINATING NUTRITION EDUCATION IN SCHOOL, HOME AND COMMUNITY.

Mildred Kaufman

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 118-120. July 18/28, 1971.

LB3479.U5 F&N

Management, Nutrition education.

Abstract: This paper discusses the urgent need to coordinate nutrition education efforts of community agencies and educational institutions.

5031-73

ADVENTURES IN NUTRITION EDUCATION RESOURCES NO. 1 -- NUTRITION EDUCATION RESOURCE MATERIALS PRESENTATION WITH EMPHASIS GIVEN TO THE ROLE OF THE SCHOOL FOOD SERVICE.

Jean Kendrick

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 121-124. July 18/28, 1971.

LB3479.U5 F&N

Nutrition education, School food service.

Abstract: This presentation discusses nutrition education resource materials used for four different purposes: 1) to enhance a teacher's knowledge of nutrition education; 2) to coordinate resources for a multifaceted approach; 3) to emphasize good nutrition through the presentation of deficiency diseases; and 4) to relate the school food service to a total nutrition program.

5032-73

SOCIO-CULTURE ASPECTS OF FOOD AND EATING -- A SOCIAL SCIENTIST'S APPROACH (WITH GROUP DISCUSSIONS).

Barbara Kiser

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 176-190. July 12/23, 1971.

LB3479.U5K3 F&N

Cultural factors, Food habits.

Abstract: This paper discusses food and eating from a socio-cultural point of view. Culture, subculture and individual culture are considered in relation to food. The assimilation of foreign foods into the U.S. diet is discussed. Information concerning food procurement, food storage and preservation, and food preparation, distribution and consumption derived from a study of 150 Negro and Caucasian households is presented.

5033-73

NUTRITIONAL ASPECTS OF ENGINEERED FOODS AND DELIVERY SYSTEMS IN SCHOOL FOOD SERVICE.

Paul A LaChance

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 125-133. July 18/28, 1971.

LB3479.U5 F&N

Engineered foods, Food delivery systems, Nutrition education, School food service.

Abstract: This paper discusses engineered foods, the evolving of the Recommended Dietary Allowance, the involvement of industry in the development of fortified foods, and delivery systems in school food service.

5034-73

FOOD IS A POINT OF VIEW.

Mildred Latini

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 47-50. June 21/july 2, 1971.

LB3479.U5U8 F&N

Cultural factors, Food habits.

Abstract: This paper discusses man's interest in food as related to his cultural background. Topics include the variety of diet among various ethnic and socioeconomic groups and the influence of cultural change in affecting food habit changes. The U.S. is witnessing a significant change to a smaller variety in the national diet, more eating out and consumption of convenience foods, and a decline in the percentage of the total family budget spent for food.

5035-73

POLYUNSATURATED FATS--LIFE SPAN--CARDIO-VASCULAR DISEASE.

Mahoney

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 15-16. June 21/july 2, 1971.

LB3479.U5U8 F&N

Cardiovascular disorders, Fat modifications, Unsaturated fats. Abstract: This paper discusses the effects of polyunsaturated fats (PUFA) on the body in relation to atherosclerosis and life span. The ability of Vitamin E to slow down rancidity due to PUFA at the cellular level is noted. Moderation in the dietary intake of both saturated and unsaturated fats is recommended as high intakes of either form contribute greatly to obesity.

5036-73

MEAL FREQUENCY AND NUTRIENT UTILIZATION.

A W Mahoney

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 17-18. June 21/july 2, 1971.

LB3479.U5U8 F&N

Meal composite analysis, Nutrient content determination.

Abstract: This paper discusses the effect of meal frequency on nutrient utilization. Changes in the digestive tract, the rate of absorption, the intestinal enzyme activity, and alterations in various metabolic systems in relation to frequency of meals are presented. Animal experiments involving varied eating schedules are included.

5037-73

NUTRITION AND MENTALITY.

A W Mahoney

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 19. June 21/july 2, 1971.

LB3479.U5U8 F&N

Mental development, Nutrition.

Abstract: This paper discusses the relationship of nutrition

## BIBLIOGRAPHY

5038-73

and mentality. Information on behavioral testing of malnourished experimental animals and school age children is included. The effect of malnutrition on the development of brain cells is also presented.

5038-73

### FOOD ADDITIVES.

A W Mahoney

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 20-21. June 21/july 2, 1971.

LB3479.U5U8 F&N

Food additives.

Abstract: This paper discusses the varying effects of numerous food additives such as Monosodium glutamate (MSG), cyclamates, Vitamin C, Vitamin D, fluoride, food colorings, emulsifiers and stabilizers, and antioxidants.

5039-73

### IMPORTANCE OF NUTRITION EDUCATION IN SCHOOL FOOD SERVICE.

Beatrice McKinney

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 57-61. June 21/july 2, 1971.

LB3479.U5U8 F&N

Inservice programs, Nutrition education, School food service.

Abstract: This paper discusses the importance of nutrition education in school food service. Included is a 9-unit program from Edmonds School District no. 15, Lynnwood, Washington which can be most useful in orienting school food service employees. This program covers organization of the school lunch program, students' health and diet, job description, sanitation and personal grooming, food preparation, serving food and portion control, institutional equipment, public relations and teacher involvement. Ways in which school food service personnel can invoke student interest in nutrition are presented, and interactions with PTA councils, and community service groups are discussed. Administrative qualifications for school lunch room directors are considered.

5040-73

### RECENT SCHOOL FOOD SERVICE TRENDS: IMPLICATIONS TO NUTRITION EDUCATION [PANEL 1.] [PANEL 2.]

Robert J Nelson, Jack Ninemeier, Etha Hutchcroft

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 28-29. July 19/30, 1971.

LB3479.U5W5 F&N

Dietary surveys, National surveys, Nutrition education, Regional surveys.

Abstract: The presentation by a 4-member panel covers some of the current trends and future implications for nutrition education at the regional, state and local levels.

5041-73

### OPINIONS OF NUTRITION EDUCATION.

Michael O'Ferrell

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 139-143. July 18/28, 1971.

LB3479.U5 F&N

Nutrition education.

Abstract: This paper presents various opinions on nutrition education as viewed by school food service personnel and school administrators and teachers which were obtained via the Nutrition Education Survey in which the author was involved. One of the significant conclusions from the survey was the feeling by teachers and principals that it is only the low-income groups who need nutrition education.

5042-73

### PANEL: WHERE DO I BEGIN AND WHAT DO I DO IN NUTRITION EDUCATION.

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 267-275. July 12/23, 1971.

LB3479.U5K3 F&N

Curriculum, Nutrition education, School food service.

Abstract: The objectives of this panel were an increased understanding of the school food service as part of the educational process and facilitative mechanisms for implementation of nutrition education in the school system.

5043-73

### ROLE OF NUTRITION EDUCATION IN THE NUTRITION DECADE.

John Perryman

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 69-75. July 12/23, 1971.

LB3479.U5K3 F&N

Federal programs, Food supply, Nutrition education.

Abstract: This paper discusses the role of nutrition education in the nutrition decade. The importance of nutrition in daily living, the new attitude of Congress toward nutrition and nutrition education programs, the need for new ideas rather than just exchanging one old idea for another, the involvement of industry, the need for a national nutrition policy, information on the world food supply and availability of markets are included.

5044-73

### EXPLORING THE NEED FOR NUTRITION EDUCATION.

Dorothy J Pringle

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 12-13. July 19/30, 1971.

LB3479.U5W5 F&N

Malnutrition, Nutrition education.

Abstract: This paper explores the reasons for malnutrition in the U.S., and discusses the proper approach to nutrition education.

5045-73

### RAP SESSIONS WITH DR. PERRYMAN--A DIALOGUE WITH SEMINAR PARTICIPANTS.

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p. 80-87. July 12/23, 1971.

LB3479.U5K3 F&N

Community action, Education, Nutrition.

Abstract: This section of the proceedings covers a dialogue between Dr. John Perryman and seminar participants. The dialogue covered many suggestions for approaches to nutrition education and much information on approaches which had already been implemented. Ideas presented focused not only on school nutrition programs, but on nutrition education for the community and the multi-media.

5046-73

### A NEW LOOK AT NUTRITION EDUCATION ---THE TIME CAPSULE.

Mary A Saadeh, Mary L Campbell

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 144-145. July 18/28, 1971.

LB3479.U5 F&N

Nutrition education.

Abstract: This paper covers a half-day session of unique presentations of nutrition education. The program included seven parts.

5047-73

### CHANGING FOOD HABITS.

Jane Savage

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 100-106. June 21/july 2, 1971.

LB3479.U5U8 F&N

Communication, Food habits.

Abstract: This paper discusses the changing of food habits among people and groups. Factors influencing food habits, the need for change and the process of change are discussed. The technique of persuasion communication is presented, and it is recommended that attempts to change food habits be made only when there is objective evidence warranting change and there is adequate motivation to make this change. For the effecting of a change, a multi-disciplinary approach is recommended.

5048-73

### NUTRITION AND SOCIAL DEPENDENCY.

Charles U Smith

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 146-150. July 18/28, 1971.

LB3479.U5 F&N

Malnutrition, Social conformity.

Abstract: This paper reviews a number of ways in which malnutrition can dispose an individual to become socially dependent on the programs of society for meeting his daily needs.

5049-73

### THE BEHAVIORAL CYBERNETIC COMPONENTS OF HUMAN NUTRITION.

Karl U Smith

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 57. July 19/30, 1971.

LB3479.U5W5 F&N

Cybernetics, Energy, Nutrition.

Abstract: This paper discusses the behavioral cybernetic components of human nutrition. Relationships of behavior, energy regulation, and nutrition including feedback mechanisms and emotional and social factors are presented.

5050-73

### SUMMARY OF DISCUSSION GROUPS: "USE OF FOOD COMPOSITION TABLES TO DETERMINE NUTRIENT CONTENT OF A TYPE "A" LUNCH. DISCUSSION GROUP NO. 3.

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 119. July 12/24, 1971.

LB3479.U5P4 F&N

Food composition tables, School lunch.

Abstract: Eight group discussions were held during the seminar. Discussion groups 1 and 2 provided feedback on Dr. Brinkman's three lectures. Groups 3 and 4 were laboratories concerning use of food composition tables and menu planning. Groups 5-8 involve the application of the KUPS model for the solving of problems assigned by seminar faculty. The results for groups 1 and 2 were incorporated into the proceedings of the original lectures. For groups 3, 4, 7, and 8 the problems assigned are briefly presented but the results of the discussions are not included in the proceedings. Assigned problems and discussion results are included for groups 5 and 6.

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5063-73

- 5051-73  
NUTRITION--A DIMENSION OF EDUCATION.  
Scott Tuxhorn  
In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 8-10. 22 june-july 3, 1970.  
LB3479.U5039 F&N  
Children, Malnutrition, Nutrition education.  
Abstract: This paper discusses nutrition as a dimension of education, and reviews the effects of malnutrition on children. Seminar participants are challenged to provide a nourishing tray of food for every child in school.
- 5052-73  
TEXTURED VEGETABLE PROTEIN (TVP).  
Robert N Terrell, Ted Budz  
In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 153-154. July 18/28, 1971.  
LB3479.U5 F&N  
Dietetics, Nutrition, Textured vegetable proteins.  
Abstract: This paper discusses the assets of TVP (Textured Vegetable Protein) for the modern diet.

- 5053-73  
IS EDUCATION MEETING THE NUTRITION CHALLENGE OF TODAY? WHAT SHOULD BE DONE?  
Scott Tuxhorn  
In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 17-27. July 12/23, 1971.  
LB3479.U5K3 F&N  
Nutrition education, School food service.  
Abstract: This paper discusses the reasons that education is not meeting the nutrition challenge of today. Suggestions for new directions and change are given and school food service directors are challenged to serve as leaders in making these changes.
- 5054-73  
NOMINAL GROUP PROCESS FOR DEFINING THE PROBLEMS IN NUTRITION EDUCATION.  
Andrew Van de Ven  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 31-44. July 19/30, 1971.  
LB3479.U5W5 F&N  
Nutrition education, Programs.  
Abstract: This paper discusses a problem exploration meeting attended by seminar participants. The nominal (silent) group approach was used. The task statement for the nominal group meeting was "what are the problems in implementing nutrition education programs within your state?" Nominal group reports from 11 states are included.

- 5055-73  
MALNUTRITION IN THE UNITED STATES.  
Jane Voichick  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 17-18. July 19/30, 1971.  
LB3479.U5W5 F&N  
Malnutrition, National surveys.  
Abstract: This paper discusses various methods for the diagnosis of malnutrition. Information concerning USDA surveys of family food consumption, 1936-1965, and the National Nutrition Survey in 1968 is included. These surveys show that the U.S. national diet is decreasing in nutritional value, and that many low-income families have nutritionally inadequate diets.

- 5056-73  
WHAT IS NUTRITION EDUCATION: WHY NUTRITION EDUCATION?  
Lucille Wakefield  
In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 42-50. July 12/23, 1971.  
LB3479.U5K3 F&N  
Food service management, Nutrition education.  
Abstract: This paper discusses what nutrition education is and why it is necessary. The various aspects of nutrition education are related to four different forces: cultural forces, the teaching-learning process, health teaching, and the building of nutrition education. Emphasis is placed upon school lunch people as educators and a total concept of education is stressed.

- 5057-73  
THE SCOPE OF CURRENT NUTRITION EDUCATION EFFORTS [PANEL].  
Margaret Watkins, Florence Lauscher, Elizabeth Regan  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 21-24. July 19/30, 1971.  
LB3479.U5W5 F&N  
Educational programs, Nutrition education.  
Abstract: This presentation by a panel of six focuses on the various agencies, departments and organizations interested in or actively involved in nutrition education. The purpose of the presentation was to acquaint seminar participants with these resources and to allow them to consider how their own nutrition education efforts might relate to the resources.

5058-73

- NUTRITION EDUCATION - A NEW DIMENSION.  
Helen West  
In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 154-16422 june/3 july, 1970.  
LB3479.U5039 F&N  
Nutrition education.  
Abstract: This paper discusses a new dimension in nutrition education. A review of a number of the findings of the National Nutrition Survey is presented. Also included are a number of toys, games, and puzzles for use in presenting nutrition education to children. Food models, bulletin boards and nutrition-oriented learning experiences fit into their different subjects are recommended for older students.

## History

5059-73

- REVIEW OF BASIC NUTRITION CONCEPTS.  
G Lynn Brinkman  
In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 18-21. July 12/24, 1971.  
LB3479.U5P4 F&N  
History, Nutrition.  
Abstract: This paper presents an historical review of basic nutrition concepts, nutrition survey methods and the nutrients required for good health. Incomplete results of the National Nutrition Survey are included.
- 5060-73  
THE NEW ERA IN NUTRITION.  
Cortez F Enloe  
In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 51-59. July 18/28, 1971.  
LB3479.U5 F&N  
History, Nutrition education, School food service.  
Abstract: This keynote address deals with the importance of nutrition and nutrition education from an historical perspective. Scientific progress has fostered a whole new and rapidly moving era in nutrition, and school food service directors are urged to accept the challenges of this new era.

5061-73

- INTRODUCTION TO THE SEMINAR.  
Lura M Odland, Eugene Dickey, M J Hitchcock  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 7-17. June 15-26, 1970.  
LB3479.U5T4 F&N  
Organization, Seminars.  
Abstracts: School Food Service presented as evolving from 5 major recommendations of USDA Land-Grant College Task Force report. Subsequent action and Seminars reviewed.

## Food Standards and Legislation

5062-73

- LABELLING STANDARDS AND SOME USES OF MEAT ANALOGS IN NEW MEAT PRODUCTS.  
Richard H Alsmeyer  
In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 276-281. July 12/24, 1970.  
LB3479.U5M3 F&N  
Meat, Meat specifications, Poultry, School food service, Soybean products.  
Abstracts: Meat and poultry plus analog situation is presented as it has been affected by new labelling and product standards.

5063-73

- FOOD REGULATIONS, NUTRITION & NUTRITION LABELING.  
Sherwin Gardner  
In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 34-38. June 27-29, 1972.  
TX345.N3 1972 F&N

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5064-73

Child nutrition programs, Consumer education, Food selection, Food standards and legislation, Nutrient quality determination, Nutrient standards, Nutritional labeling, Nutritional quality, School lunch programs.  
Abstract: If child nutrition programs are to be worthwhile, they must (obviously) provide adequate nutrition. The technology of food processing has made the selecting of foods of known nutritional content more complex. The new FDA nutritional labeling regulations are intended to help consumers sort out the nutritious foods from the nutritionally worthless. All school food service directors and personnel must learn to read the new labels and determine which foods are the best nutritional buy. School food people should keep a close eye on the labels of available products so as to be aware of new and more nutritious foods and the possible nutritional down-grading of foods presently in use.

5064-73

### CHALLENGE TO THE SEMINAR.

John Perryman  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 11-15. June 16/27, 1969.  
LB3479.U5T4 1969 F&N  
Federal programs, Legislation, School food service, Seminars.  
Abstract: Review of Federal Programs legislation on School Food Service.

5065-73

CHANGES IN THE LAW AND NEW LEGISLATION---WHAT IT MEANS.  
John C Stalker  
In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 24-44. July 12/24, 1970.  
LB3479.U5M3 PT. 2 F&N  
Financial support, Free lunches, Laws, Legislation, School lunch programs.  
Abstract: The speaker opened by discussing Public Law 91-248, covering "some of the things which this law does in amending the three basic laws under which we now operate--the National School Lunch Program, the Child Nutrition Act, and the Special Food Service Program for Children." He concluded with a discussion on the school lunch budget and the congressional attitude towards the budget.

## Management and Administration

5066-73

THE THREE A'S OF CHANGE - ANTICIPATING, ACCEPTING, ACTUATING.  
A Dale Allen  
In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 317-326. July 12/23, 1971.  
LB3479.U5K3 F&N  
Economic influences, Nutrition, Resistance to change, Sociology.  
Abstract: This paper discusses some of the psychological, sociological, and economic factors involved in change. A number of ways to reduce resistance to change are presented.

5067-73

ORGANIZING CENTRALIZED SCHOOL FOOD SERVICE SYSTEMS.  
Gertrude Applebaum  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 48-63. June 15/26, 1970.  
LB3479.U5T4 F&N  
Case studies, Food delivery systems, Organization.  
Abstract: Discussion of the organization of the Corpus Christi School District centralized food service system. Used as a guideline for current efforts in management planning and organizational structuring.

5068-73

PLANNING: PLANNING A CENTRALIZED SCHOOL FOOD SERVICE SYSTEM.  
Gertrude Applebaum  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 38-47. June 15/26, 1970.  
LB3479.U5T4 F&N  
Case studies, Organization, School food service.  
Abstract: system for planning and considerations listed for installation of centralized school food service systems.

5069-73

CENTRALIZED FOOD SERVICE SYSTEMS-A REVIEW.  
Lawrence Bartlett, William Griffeth, Mary Jo Hitchcock  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 139-148. June 15/26, 1970.

LB3479.U5T4 F&N  
Federal programs, Finance, School food service, School lunch, State government.  
Abstract: School lunch in its various aspects of implementation on State, Federal and Regional level.

5070-73

ARE YOU MANAGEMENT KNOWLEDGEABLE?  
Wade Bash  
In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 49-58. 22 june/3 july, 1970.  
LB3479.U5O39 F&N  
Management, School food service, School lunch.  
Abstract: This paper discusses management, particularly in relation to school food service. Topics covered include the political importance of food today, the four concepts of human activity which are encompassed in a good system of management, developing a management philosophy, and immediate problems in school food service. A handout concerning implementation of a Type A school lunch program to provide controlled choices is included.

5071-73

METHODOLOGY RELATED TO ACCEPTABILITY, COST & NUTRITION.  
James Bowers  
In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 80-86. June 27-29, 1972.  
TX345.N3 1972 F&N  
Child nutrition programs, Cost effectiveness, Food preference measures, Food preferences, Nutrient intake, School children (6-11 years), School lunch programs, Student participation, Surveys.  
Abstract: Acceptability of school food is a major problem. Food must be eaten in order to have any nutritional value. In a food preference poll conducted at an ethnically mixed suburban school, certain foods were found to be highly acceptable: peanut butter, hamburgers, pizza, milk shakes, pastries, and pudding. In general, students prefer the modern foods over traditional fare, such as soups, stews, vegetable dishes. There are methods available that provide reliable, valid, and efficient means of assessing dietary adequacy. By identifying the products children like, establishing a nutrient definition of those products, quantifying the food intake (and thus nutrient intake) by plate waste, it is possible for any school food service manager to assure dietary adequacy.

5072-73

DEVELOPING ALTERNATIVES IN NUTRITION EDUCATION.  
Patrick Boyle  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 46-49. July 19/30, 1971.  
LB3479.U5W5 F&N  
Models, Nutrition education.  
Abstract: This paper presents a program development model which can be used for the complete analysis of a problem and the development of a plan of action. This model can be used effectively to develop alternatives in nutrition education.

5073-73

CASE STUDIES.  
In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 112-148. June 21/july 2, 1971.  
LB3479.U5U8 F&N  
Management, School food service.  
Abstract: during the Western Regional School Food Service Seminar, June 21-July 2, 1971, the program included a number of sessions involving case studies. Seminar participants were broken into five groups for discussion of and development of recommendations for solutions to the problems presented in each case study. The thirty-four case studies cover a wide range of administrative problems experienced by school food services.

5074-73

AN ADMINISTRATOR'S VIEW OF SCHOOL FOOD SERVICE.  
George J Collins  
In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 374-387. July 12/24, 1970.  
LB3479.U5M3 F&N  
Cafeterias, Case studies, Kitchens, Planning, School food service, Seminars.  
Abstract: School food service with emphasis on school cafeteria and school kitchen in an improved School Lunch Program. Teaching, learning postures presented.

5075-73

A SYSTEM---WHAT IT IS AND WHAT IT DOES.  
George R Conrade, Albert L Wrisley  
In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 45-55. July 12/24, 1970.  
LB3479.U5M3 PT. 2 F&N  
Decision making, Systems analysis.  
Extract: Systems is the "in" word right now. Unfortunately, while the systems concept is basically straightforward, basically a simple approach, it is quite often misused. What I am going to try to do, this morning, is to explain the systems concept, and try to show how it relates to planning and control within an organization.

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5076-73  
PURPOSEFUL CHANGE IN SCHOOL FOOD SERVICE PROGRAMS.  
Beatrice Donaldson David  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 64-65. July 19/30, 1971.  
LB3479.U5W5 F&N

Management, Problem solving, School food service.  
Abstract: This paper discusses the importance of developing the ability to identify problems, consider alternative solutions, and evaluate achievement of objectives for school food service programs. A systematic approach and the measurement of achievement of objectives are stressed when purposeful change is desired.

5077-73  
PROCESSING CONTRACTS FOR DONATED COMMODITIES.  
Juan Del Castillo, Elsworth Reiss  
In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 136-140. June 27-29, 1972.  
TX345.N3 1972 F&N

Child nutrition programs, Contracts, Costs, Donated foods, Food distribution programs, Food preparation and distribution systems, Food processing, Government role, Legal problems.  
Abstract: This article presents the pros and cons of contracting out to food manufacturers for processing donated foods. Despite the problems that crop up now and again vis-a-vis government reimbursement to manufacturers, these contracts are an excellent means of making better use of the U.S. food supply, while at the same time reducing operating costs for schools and other institutions throughout the country.

5078-73  
TRENDS IN FOOD SERVICE SYSTEMS, PANEL DISCUSSIONS.  
Eugene Dickey, William Griffeth, Ted McCloud  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 126-138. June 15/26, 1970.  
LB3479.U5T4 F&N

Budgets, Finance, Food fads, Food preparation and distribution systems, Food service, Food stamp programs, Management, Satellite.  
Abstract: A thorough review of food service production, management aspects as well as trends in convenience foods are considered. Financing dimensions & data processing as a control function of management are outlined.

5079-73  
EXTENT OF THE PROBLEM INVOLVED.  
Charles E Eshbach  
In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 79-85. July 12/24, 1970.  
LB3479.U5M3 PT. 2 F&N  
Administration policies, Decision making, Financial support, School food service.  
Abstract: The speaker sees the central problem of school food service as the need to expand school food service operations to reach many more children, and to do this as rapidly as possible. He discusses the financial, personnel, and security problems of this expansion.

5080-73  
COMMUNICATION AND EFFECTING CHANGE.  
Charles E Eshbach  
In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 345-366. July 12/24, 1970.  
LB3479.U5M3 F&N  
Communication skills, School food service.  
Abstract: Communication skills: Berlo model used as an approach to better communication process in food service industry. Socio-cultural backgrounds and other factors are discussed as effecting "source" and "receiver" ideal pattern for communication.

5081-73  
EXPANDING THE CONVENTIONAL SCHOOL FOOD SERVICE PROGRAM.  
Thomas J Farley  
In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 105-137. July 12/24, 1970.  
LB3479.U5M3 PT. 2 F&N  
Contract feeding, Facilities planning and layout, Food delivery systems, Food preparation and distribution systems, Food service management, School food service.  
Abstract: The speaker noted that he didn't believe in central kitchens for a variety of reasons: "there is a lot of wishful thinking about shipping out from great big kitchens and lowering your costs. Let's not kid ourselves. You are just shifting the basis of your money outflow." However, he felt that in the face of competition of food service management companies, a central kitchen might be a necessity, and he used them himself in the Milwaukee schools.

5082-73  
COMMUNICATION METHODS AND MEDIA IN NUTRITION EDUCATION PROGRAMS.  
John Fett, Harold King, Larry Meiller  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 60-61. July 19/30, 1971.  
LB3479.U5W5 F&N

Communications, Nutrition education.  
Abstract: In this workshop session participants could select one of three work groups focusing on the use of news letters and brochures, radio and television, or newspaper writing for a study of communication methods and media in nutrition education programs. Included are 14 propositions about communication which served as guidelines for each group.

5083-73  
PROBLEM SOLVING AND CONFLICT RESOLUTION.  
Alan C Filley  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 55-56. July 19/30 1971.  
LB3479.U5W5 F&N  
Management games, Problem solving, Simulation.  
Abstract: This paper deals with techniques for problem-solving and conflict resolution. The Integrative Decision Method was considered and seminar participants were involved in several role-playing situations to illustrate this approach.

5084-73  
STAFFING THE SCHOOL FOOD SERVICE.  
Thelma Flanagan  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 51-59. June 16/27, 1969.  
LB3479.U5T4 1969 F&N  
Personnel management, School food service.  
Abstract: A brief overview of school food service personnel programs and staffing guidelines are discussed.

5085-73  
ORGANIZATION AND COORDINATION OF RESOURCES.  
Thelma Flanagan  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 38-50. June 16/27, 1969.  
LB3479.U5T4 1969 F&N  
Bibliographies, Management, School food service, Systems analysis.  
Abstract: Management resources and objectives are discussed PERT, PPBS, SCORE, and others as they relate to school food service systems.

5086-73  
SCHOOL FEEDING PROGRAMS AS AN ASPECT OF THE EDUCATIONAL INSTITUTION -- PANEL DISCUSSION.  
Lloyd Frohreich, M C Schmallenberg, Bruno Ippolite  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 50-51. July 19/30, 1971.  
LB3479.U5W5 F&N  
Management, Nutrition education, School food service.  
Abstract: This paper presents a 3-member panel discussion which covered such topics as leadership styles, communication, obtaining support of other school staff members and civic groups, creating good morale through school food service, and extending school food services to provide walk-in meal service for the elderly and summer feeding programs for children.

5087-73  
QUALITY CONTROL OF FOOD IN THE SCHOOL FOOD SERVICE.  
Eleanor M Gillig  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 96-103. June 16/27, 1969.  
LB3479.U5T4 1969 F&N  
Management, Quality control, School food service.  
Abstract: School food service administrators view of modern technological advance in food and services and their response in achieving quality food and quality control.

5088-73  
MOTIVATION FOR ACCEPTANCE OF HIGH NUTRIENT FOOD: (CONSIDERATION OF ASSUMPTION NO. 5).  
F Wayne Glaus  
In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 97-99. June 21/july 2, 1971.  
LB3479.U5U8 F&N  
Nutrient quality determination, Nutrition education.  
Abstract: This paper discusses ways to sell students on their school lunch program. The author presents problems encountered in his school food service such as poor lunchroom conditions, competition from vending machines and nearby fast-food outlets, and cost of lunches. The building and advertising of a new school cafeteria solved many of these problems school food service directors are urged to "put a little schmaltz" in their school lunch programs, and the author describes his learning about the use of schmaltz to merchandise a food service while he was in a tourist business in Hawaii.

5089-73  
SCHOOL LUNCH TASK FORCE REPORT.  
Grayce Goertz  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 16-20. June 16/27, 1969.  
LB3479.U5T4 1969 F&N  
School lunch.  
Abstract: School Lunch Task Force Report discussion and recom-

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medations.

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IDENTIFICATION OF COMMUNICATION PROBLEMS IN ORGANIZATIONS.

Michael Gordon

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 77-85. June 15/16, 1970.

LB3479.U5T4 F&N

Case studies, Communications, Organizations.

Abstract: Advanced developments in the field of communications as they apply to organizations are presented. New techniques, leading authorities in communications reviewed.

5091-73

DEVELOPMENT OF A CENTRAL COMMISSARY IN INDUSTRY.

Jerry Graham

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 114-117. June 15/26, 1970.

LB3479.U5T4 F&N

Food service industry, Technology.

Abstract: Food control (shelf life, frozen foods, meat) etc, new aspect for consideration when a central commissary system in industry is viewed.

5092-73

COMMUNICATING WITH LOW INCOME FAMILIES THROUGH THE SCHOOL AND CHILD DAY CARE FOOD SERVICE.

Arthur Gravatt

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 77-88. June 16/27, 1969.

LB3479.U5T4 1969 F&N

Day care services, Low income groups, School lunch programs.

Abstract: Low income families and school lunch potential for education in nutrition.

5093-73

INITIATING AND IMPLEMENTING A NEW SCHOOL FOOD SERVICE PROGRAM.

I T Griffiths

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 43-46. June 21/july 2, 1971.

LB3479.U5U8 F&N

Adolescents (12-19 years), School lunch programs.

Abstract: This paper discusses the planning and problems involved in implementing school lunch programs in the junior and senior high schools in Salt Lake City.

5094-73

GROUP WORK SESSION: LISTENING GUIDE FOR INTEGRATING NUTRITION EDUCATION INTO THE PROGRAM.

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 236-243. July 12/23, 1971.

LB3479.U5K3 F&N

Management, School lunch, Workshops.

Abstract: This section of the proceedings covers the results of a group work session. Discussion in the work session concerned ideas which various school lunch directors had found satisfactory in their situations and new ideas which participants hoped to try out "back home." All the ideas are listed.

5095-73

HOW TO CAPITALIZE ON STUDENT FOOD PREFERENCE PATTERNS.

Helen Guthrie

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 75-78. July 12/24, 1971.

LB3479.U5P4 F&N

Food preferences, School lunch.

Abstract: This paper discusses ways to capitalize on student food preference patterns. The three components which influence participation in school lunch programs, the environment, the food, and the individual are presented. An experiment in the use of behavior modification to change vegetable eating behavior in nursery school children is included. A study showed that hot or cold lunches can be equally nutritious and that the cold lunches were somewhat preferred by elementary and junior high students surveyed.

5096-73

PANEL: CHALLENGES WHICH MUST BE MET TO ASSURE A SUCCESSFUL FOOD SERVICE PROGRAM AND THE IMPORTANCE OF GOOD COMMUNICATION BETWEEN SCHOOL LUNCH PERSONNEL AND THE STUDENTS, TEACHERS, PARENTS AND PRINCIPALS IN MEETING THESE CHALLENGES.

Harold Handley, Ena Simpson, Patricia Stoddard

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 73-77. June 21/july 2, 1971.

LB3479.U5U8 F&N

School lunch, Student involvement.

Abstract: This panel covers the various challenges which must be met in the running of a successful school lunch program. Involvement of students in menu planning, the price of lunches, the atmosphere of the lunchroom and related factors are presented. Communication among all levels of the school food service program is stressed. Panel members included a district level secondary supervisor, a food service supervisor, a teacher, a student, and a state PTA president.

5097-73

NEW DEVELOPMENTS IN SCHOOL FOOD SERVICE.

Edward J Hekman

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 327-333. July 12/23, 1971.

LB3479.U5K3 F&N

Federal programs, Legislation, Nutrition education, School food service.

Abstract: This paper discusses new developments in school food service. Included is information on recent Federal legislation pertaining to nutrition and nutrition education, USDA Special Developmental Projects, the establishment of an Information and Educational Materials Center in connection with the National Agricultural Library, ongoing studies to evaluate and improve child nutrition programs, computer assisted menu planning, introduction of nutrient standards in lieu of the Type A Lunch requirements, and the introduction of engineered foods.

5098-73

GUIDELINES TO EFFECTIVE COMMUNICATION.

Arthur L Higbee

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 69-72. June 21/july 2, 1971.

LB3479.U5U8 F&N

Communication, Guidelines.

Abstract: This paper discusses the process, types and purposes of communication. Guidelines for improvement of communication are presented.

5099-73

REVIEW OF MANAGEMENT FUNCTIONS.

Mary Jo Hitchcock

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p. 17-28. June 15/16, 1970.

LB3479.U5T4 F&N

Management, School food service.

Abstract: Administration of School Food Service Total system (in the U.S.) briefly reviewed.

5100-73

MANAGEMENT FUNCTIONS OF SCHOOL AND NON SCHOOL FOOD SERVICES.

Mary Jo Hitchcock

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin, Univ. of Tenn., 1969 p 23-27. June 16/27, 1969.

LB3479.U5T4 1969 F&N

Administration, Food service, Management, School food service.

Abstract: Managerial concepts are discussed as a means to attain goals and the best use of resources in School Food Services field.

5101-73

CHILDREN'S PERCEPTION OF FOOD.

Ruth Hoeflin

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 311-316. July 12/23, 1971.

LB3479.U5K3 F&N

Children, School food service.

Abstract: This paper provides a summary of factors which influence school children's perceptions of food and the school food service. The problem of change is discussed.

5102-73

UTILIZING OUTSIDE CONTRACTORS TO EXPAND SCHOOL FOOD SERVICE OPERATIONS.

Marjorie Holgate

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 179-189. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&N

Contract feeding, Facilities planning and layout, Food delivery systems, School food service.

Abstract: The speaker described her experiences utilizing outside contractors in the expansion of school food service in New Haven. The speech was illustrated with slides. She noted that one of the most difficult parts of trying to specify foods for the lunches is getting what you want, and after you get it, determining that it has what you think it has.

5103-73

IMPLICATIONS FOR PROGRAM PLANNING IN SCHOOL FOOD SERVICE.

M B Hunter

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 31-38. June 21/july 2, 1971.

LB3479.U5U8 F&N

Nutrition education, Program planning, School food service.

Abstract: This paper discusses five major implications for program planning in school food service: these are: 1) that school food service directors psychologically accept the realities and demands of nutrition programs in schools and commit themselves to the achievement of established goals. 2) that school food service directors continually strive to improve their professional competency. The need for continuing education and more uniformity in the requirements for school food service administrators is stressed. 3) that school food service directors develop economic support based on sound fiscal planning and the effective use of a well-structured organization and a highly motivated staff. 4) that the school food serv-

## BIBLIOGRAPHY

5115-73

ice organization be structured to serve all children, and that children's opinions be considered in assessing food service needs. 5) that school food services feed the children. This implication conceives that the school lunch program should be part of the total school program, and that classroom teachers and food service personnel should unite to provide knowledge about nutrition.

5104-73

MOTIVATION FOR ACCEPTANCE OF HIGH NUTRIENT FOODS (CONSIDERATION OF ASSUMPTIONS NO. 1-4).

Mildred B Hunter

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 92-96. June 21/july 2, 1971.

LB3479.U5U8 F&N

Nutrient quality determination, Nutrition education.

Abstract: This paper discusses the process of motivating children to accept high nutrient foods based on four assumptions: 1) that children have a right to nourishing, interesting foods 2) that children must be taught to accept a variety of high nutrient foods 3) that children will accept high nutrient food at school better if fortified by parent approval and 4) that lunchroom environment, school policies concerning nutrition education and school administrative support influence acceptance of food by children at school.

5105-73

FUNCTIONS OF PARTICIPATIVE MANAGEMENT.

Mildred B Hunter

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 90-91. June 21/july 2, 1971.

LB3479.U5U8 F&N

Communication, Management.

Abstract: This paper presents the functions and tools of participative management. A diagram of directions of communication is included.

5106-73

UNDERSTANDING THE COMMUNITY SOCIAL SYSTEM.

Donald E Johnson

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 62. July 19/30, 1971.

LB3479.U5W5 F&N

Community, Cultural factors, Nutrition education, Sociology.

Abstract: This paper deals with the understanding of a community as a social system. Leadership in a community and the factors influencing leadership are discussed.

5107-73

ECOLOGICAL PRESSURES ON NUTRITIONAL RESOURCES.

Mary E Johnson

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 26-27. July 19/30, 1971.

LB3479.U5W5 F&N

Agricultural development, Ecology, Energy, Nutrition.

Abstract: This paper discusses the ecological pressures which affect the nutritional resources of the world. A summary of the scope of the problem involved in reversing the population-food imbalance developed by the President's Science Advisory Committee in 1967 is included. Studies show that presently an increasing fraction of the total energy in the biosphere is being diverted to the direct support of man while the leakage of toxic substances and a decrease in the amount of land available for agricultural use will result in a diminished ability to supply man's energy.

5108-73

THE IDEALS CONCEPT--A SYSTEMS APPROACH TO SCHOOL FOOD SERVICE PROBLEMS.

James T Johnston

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 16. July 19/30, 1971.

LB3479.U5W5 F&N

Models, School food service, Systems approach.

Abstract: This paper presents the IDEALS Concept, and describes the potential use of this systems approach in school food service.

5109-73

"KUPS - K NOWLEGE U TILIZATION FOR P ROBLEM S OLVING.

John Kohl

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 88-104. July 12/24, 1971.

LB3479.U5P4 F&N

Change agents, Models, Nutrition education.

Abstract: This paper presents the KUPS (Knowledge Utilization for Problem Solving) model and discusses its application in nutrition education. This model outlines six stages of planned change: building a relationship, diagnosis, acquiring relevant resources, choosing a solution, gaining acceptance of the solution, and stabilizing the innovation and generating self-renewal. These six stages provide steps through which the change agent can effect a desired change. Each of these stages and the change agent's role in each is discussed in detail.

5110-73

RECOMMENDATIONS AND IMPLICATIONS OF THE RUTGERS EFFORT.

Paul A Lachance

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 103-118. June 27-29, 1972.

TX345.N3 1972 F&N

Child nutrition programs, Cost effectiveness, Evaluation, Federal aid, Food preferences, New Jersey, Nutrient values, Nutritional quality, School food service.

Abstract: Rutgers University studied school food service operations (specifically in New Jersey) to identify the factors hindering significant improvements in effectiveness. Three aspects were emphasized: acceptance, nutrition, and cost. The most limiting factor was found to be political acceptance (including lack of concrete data on the educational and nutritive value of child feeding programs). The next most limiting factor was the absence of a means for evaluating available food programs and selecting the one that best meets the needs of particular school districts. The third most limiting factor is cost. A school district operating in the red cannot consider a program requiring matching funds, which is the case with almost all federal/state school food funding. Children's lack of acceptance of the school food is the prime reason for participation problems. The nutritional value of food is the most important criteria in child nutrition programs, but it cannot and does not displace food acceptance for the simple reason that food not accepted--no matter how nutritious--is food not eaten.

5111-73

DIMENSIONS OF ADMINISTRATIVE MANAGEMENT.

Mary Leidigh

In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 32-37. 22 june/3 july, 1970.

LB3479.U5O39 F&N

History, Management education.

Abstract: This paper discusses the dimensions of administrative management. Included are a history of management, old assumptions about management, and five new assumptions for the new era of business proposed by Peter Drucker.

5112-73

MOTIVATION AND PRODUCTIVITY.

Donald E Lundberg

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 330-345. July 12/24, 1970.

LB3479.U5M3 F&N

Food service, Group dynamics, Management.

Abstract: This article discusses the history of management style and the progressive change to today's management concept.

5113-73

COMPUTERS- A DIVISION OF MANAGEMENT.

Raymond Lutz

In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 123-14522 june/3 july, 1970.

LB3479.U5O39 F&N

Computer applications, School food service.

Abstract: The paper discusses computers as a dimension of management. Use of computers for ordering, stock control, assessing of future demands, tax reports, and clerical and problem-solving tasks is included. The author stresses that computers should be viewed as tools which release managers from clerical type activities so they can work more closely with students and employees. The misunderstood conception that computers can replace people is discussed. Applications of computers for menu planning, cost control and inventory control in school food services are presented. Results of a question and answer period which followed are included.

5114-73

NEEDED: PUBLIC RELATIONS FOR PROGRAM EXPANSION.

Robert A Lynn

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 88-104. July 12/23, 1971.

LB3479.U5K3 F&N

Nutrition education, Public relations.

Abstract: This paper gives an extensive review of the many facets of public relations. A definition of public relations, the strengths and limitations of public relations, getting the message heard, how to make the news, using the media for best results and getting the message across are included.

5115-73

MANAGEMENT NEEDS BETTER UNDERSTANDING OF FOOD SERVICE POTENTIALS IN PLANNING AND USING EFFICIENT FOOD SERVICE FACILITIES.

Bradford S MacNulty

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 301-320. July 12/24, 1970.

LB3479.U5M3 F&N

Federal programs, Management, School lunch programs, State government.

Abstract: Management education in the planning and administration of food service program in view of "traditional" concept vs "change".

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5116-73

METHODS FOR ANALYZING OPERATIONS IN SCHOOL FOOD SERVICE.  
Mary J Mahaffy, M Eileen Matthews  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 30. July 19/30 1971.  
LB3479.05W5 F&N  
Management, School food service.  
Abstract: This paper presents methods for analyzing labor utilization, establishing needs for training, evaluating the tastes of commercially prepared foods and using computers for menu planning and other management procedures in the operation of a school food service.

5117-73

WHITE HOUSE CONFERENCE RECOMMENDATIONS APPLICABLE TO SCHOOL FOOD SERVICE.  
A W Mahoney  
In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 25-27. June 21/july 2, 1971.  
LB3479.05U8 F&N  
School food service, White House Conference on Children.  
Abstract: This paper discusses various recommendations made in the panels of the White House Conference on Food, Nutrition and Health which are applicable to school food services throughout the Nation. School food services are challenged to provide not only nutritious meals but nutrition education, table etiquette training and related information. Recommendations on the qualifications for and training of teachers in nutrition education are included.

5118-73

A NEW ERA IN SCHOOL FOOD SERVICE.  
Josephine Martin  
In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 28-38. July 12/23, 1971.  
LB3479.05K3 F&N  
History, Legislation, School food service.  
Abstract: This paper discusses the new era in school food service. Included are components of the new era, changes in the 1960's which have implications for school food service, responsibilities and specific duties of food service directors in the new era, a review of legislation in the 1960's which pertains to nutrition education, the hangups school food service directors have as to why a nutrition education program doesn't work for them, suggestions for innovative approaches, and a challenge to these directors to be enthusiastic self-starters in leading the new era.

5119-73

THE CONTROL FUNCTION IN THE MANAGEMENT OF SCHOOL FOOD SERVICE.  
Josephine Martin  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 89-95. June 16/27, 1969.  
LB3479.05T4 1969 F&N  
Financial management, Management, School food service.  
Abstract: A discussion of the means to control the functions of school food service from a management point of view--basic requirements are stated.

5120-73

THE ART OF DIRECTING AND COMMUNICATING.  
Josephine Martin  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 68-76. June 16/27, 1969.  
LB3479.05T4 1969 F&N  
Communications, Management, School food service.  
Abstract: State goals and objectives for enlightened use of the art of communication in school food service are presented.

5121-73

THE SCHOOL FOOD SERVICE ADMINISTRATOR AND THE COMPUTER.  
Ted McCloud  
In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 104-112. June 16/27, 1969.  
LB3479.05T4 1969 F&N  
Administration, Computer applications, School food service.  
Abstract: School food service in Memphis, Tennessee use of the computer and beneficial changes encountered for more effective and efficient administration.

5122-73

THE MORE EFFECTIVE SCHOOL FOOD SERVICE SUPERVISOR IN THE LARGER JOB.  
Jane F McCullough  
In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 367-373. July 12/24, 1970.  
LB3479.05M3 F&N  
Administration, Management, Management education.  
Abstract: Management education, development and standards.

5123-73

MANAGEMENT OF HUMAN RESOURCES.  
Helen McGee  
In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 91-104.22 june/3 july, 1970.  
LB3479.05O39 F&N

Administration, Budgets, Elderly (65 + years), Food programs, Models, School food service.

Abstract: This paper discusses the management of human resources. Topics included are a free lunch for every child, breakfast and dinner at school, feeding of the elderly at school, the availability of food service in schools twelve months a year, communication of the importance of their jobs to school food service employees. "Problem-orientation" versus "objective orientation" in approaching an objective, approaches to improvement of work performance through proper staffing considerations, and non-human resources such materials and facilities, budgeting and cost analysis. Six exhibits pertaining to staffing, position descriptions and job evaluation are included.

5124-73

COMMUNICATION - CHANGE.  
Mary E Mennes  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 58-59. July 19/30, 1971.  
LB3479.05W5 F&N  
Communication, Education, Management development.  
Abstract: This paper discusses the communication process, potential barriers to communication, how to analyze the effectiveness of one's own communications, and the application of communication principles in progressing toward educational and management goals.

5125-73

INDUSTRY'S INTEREST IN SCHOOL FOOD PROGRAMS.  
William B Murphy  
In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 28-33. June 27-29, 1972.  
TX345.N3 1972 F&N  
Child nutrition, Child nutrition programs, Food industry, Food technology, Industry role, School food service.  
Abstract: The food industry has a great interest in school food programs not only because they constitute the second largest food market, but also because industry enjoys the challenge of improving the nutrition of people generally. When purchasing commercially prepared food products, schools should heed the following points: (1) Buy on value, not just price, because nutrition and child acceptance are paramount. (2) A processor cannot efficiently produce meals containing many individual varieties of food. (3) Stick to traditional products rather than substitutes, especially with respect to protein items. Insist on long-term test data on any substitute foods. (4) Announce it to parents and teachers when substitute foods are used; they should not be covered up or passed off as something else. (5) Buy only from processors that have rigid tests and high standards for ingredients. (6) Periodically check to make sure that the foods received are the foods that were ordered.

5126-73

PERSONNEL TRAINING--A DIMENSION OF MANAGEMENT.  
Cecil F Olsen  
In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 59-62. 22 june/3 july, 1970.  
LB3479.05O39 F&N  
Personnel management, Training.  
Abstract: This paper concerns personnel training as a dimension of management. Eleven items which are involved in personnel training are discussed.

5127-73

THE PEOPLE DIMENSION.  
Cecil F Olsen  
In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 38-48. 22 june/3 july, 1970.  
LB3479.05O39 F&N  
Management education, School food service.  
Abstract: This paper discusses "The People Dimension." topics included are service to others, the factors influencing job satisfaction or dissatisfaction, communication, guideposts for developing strategies to deal with people-related situations, a checklist for motivation of employees, and children as a part of the "People Dimension" in the school lunch program. School food service directors are challenged to put children first in order to have a proper perspective from which to develop nutrition education and school lunch programs. Following the paper is an award-winning story entitled "Cipher in the Snow" about a young boy who stepped off the school bus and fell dead in the snow because nobody in his life had ever recognized his "People Dimension" and natural human need for acceptance.

5128-73

TODAY'S YOUTH - A NEW BREED OF CAT.  
Richard Owens  
In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 301-310. July 12/23, 1971.  
LB3479.05K3 F&N  
Attitudes, Decision making, Young adults (20-34 years).  
Abstract: This paper discusses the outlooks and attitudes of youth today. Topics covered include the short-term perspectives of young people, their desire to be involved in decision making, the influence of their peers, their questioning of

## BIBLIOGRAPHY

5141-73

adult judgement, their overall attitude concerning school, the difference in their attitudes and values from those of the school, their earlier physiological maturity, their exposure to wealth, the influence of T.V., their ability to think, their desire for immediacy, their questioning of what they learn, and their sincere concern for society.

5129-73

### FOOD MANAGEMENT IN SCHOOL FOOD SERVICE.

David R Page

In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 105-12222 june/3 july, 1970.

LB3479.U5039 F&N

### Food service management, School food service.

Abstract: This paper discusses food management in the school food service. The situation of self management versus professional management in school lunch programs is emphasized, and the merits of each group as manager are considered. The VIT-A-LUNCH program in St. Louis and the ASTRO-PAK program in Detroit are compared for cost and menu variety. Management techniques using E.D.P. systems for food costs and labor control are included. Five attachments containing graphs and supplementary material follow.

5130-73

### PLANNING SHORT AND LONG RANGE OBJECTIVES FOR THE FUTURE OF THE SCHOOL FOOD SERVICES.

John Perryman

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 28-37. June 16/27, 1969.

LB3479.U5T4 1969 F&N

### Federal programs, Planning, School food service.

Abstract: School Food Service as an integral part of the educational pattern is proposed, long and short range objectives stated.

5131-73

### QUALITATIVE AND QUANTITATIVE CONTROL OF FOOD.

Eleanor Pratt

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 118-126. June 15/26, 1970.

LB3479.U5T4 F&N

### Food preparation, quantity, Food quality, Management, School food service.

Abstract: Management control of food, quality and quantity in School Food Service presented and defined. Its relationship to the function of management control on 5 major levels outlined.

5132-73

### THE SCHOOL FOOD SERVICE SYSTEM.

Dean D Rhoads

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 61-67. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&N

### Management, Systems analysis.

Extract: I would like to talk a little bit about organizations as systems, and particularly what we call open systems. The traditional approach to organizations has some drawbacks that give us some trouble. First of all, we talk about various organizations, various social organizations. When I talk about a social organization, I am talking about the Northeast School Lunch Seminar which is a temporary social organization. I am talking about school systems. I am talking about businesses, about fraternal organizations, about churches, and any group that gets together for some purpose. One of our problems is that we have a difficult time identifying exactly what the organization is, especially when it is a traditional type of an approach.

5133-73

### EXPERIENCES IN USING MANAGEMENT SERVICES.

Rudolph A Schober

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 86-104. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&N

### Commercial food service, Contract feeding, Food service management, School food service.

Abstract: The Union, New Jersey, schools operate some of their cafeterias with their own personnel, while others are operated by a food service management company. The speaker discusses the pros and cons of using an outside management company, and enumerates the precautions to be taken in hiring a management company.

5134-73

### COST OF FINANCES IN CENTRALIZED FOOD SERVICE SYSTEMS.

O L Searing

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 94-106. June 15/26, 1970.

LB3479.U5T4 F&N

### Case studies, Finance, School food service.

Abstract: Standardization and control of finances for Centralized Food Service Systems.

5135-73

### REACHING SIGNIFICANT PUBLICS: THE STATE OF THE BOY, 1971.

Robert Sebring

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 105-108. July 12/24, 1971.

LB3479.U5P4 F&N

### School community relations, Social conformity.

Abstract: This paper presents the social system concept and discusses various student groups as subsystems within the school. A study classified today's youth into three general groups: maintainers, marginals and the uncommitted. The characteristics of each group are discussed.

5136-73

### PANEL ON CHARACTERISTICS OF CENTRALIZED FOOD SERVICE SYSTEMS.

Stanley Smith, Eleanor Pratt, Gertrude Applebaum

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 28-37. June 15/26, 1970.

LB3479.U5T4 F&N

### Administration, Food preparation and distribution systems, Management, School food service.

Abstract: Centralized food service systems expansion as a goal and objective.

5137-73

### CHALLENGE FOR SCHOOL FOOD SERVICE.

Cluff Snow

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 107-109. June 21/july 2, 1971.

LB3479.U5U8 F&N

### Nutrition education, School food service.

Abstract: This paper challenges school food services to approach their problems with creativity and drive and an acceptance of their "soft spots" and needs for change. The school lunch and the classroom teacher are stressed as basic sources of sound nutrition education, and the universal free lunch program funding is briefly reviewed.

5138-73

### REACHING SIGNIFICANT PUBLICS: THE PARENT AND COMMUNITY INVOLVEMENT.

Abram Snyder

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 110-114. July 12/24, 1971.

LB3479.U5P4 F&N

### Community involvement, School community relations.

Abstract: This paper describes the community as a social system. Elementary and contemporary communities are compared, and the areas of community study relevant to the school food service are discussed. These areas include finances, organization, people and internal and external influences. School food service supervisors are urged to become active participants of their community by taking a leadership role.

5139-73

### TECHNIQUES OF GROUP DYNAMICS.

Garfield Stock

In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 19-31. 22 june/3 july, 1970.

LB3479.U5O39 F&N

### Group dynamics, Organization, School food service.

Abstract: The paper focuses on Douglas McGregor's Theory X and Theory Y about people. Theory X proposes that the central principles of organization are derived via direction and control through authority while Theory Y proposes that central principles of organization are derived via the creation of conditions by which members of the organization can best achieve their own goals by directing their efforts to the success of the enterprise. These theories are both based on Maslow's work concerning the hierarchy of human needs. School food service people are encouraged to understand the needs of their employees and to try to involve them in team management via Theory Y.

5140-73

### DYNAMICS OF MOTIVATION.

Garfield R Stock

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 53-54. July 19/30, 1971.

LB3479.U5W5 F&N

### Management education, Motivation.

Abstract: This paper discusses the dynamics of motivation. Maslow's Hierarchy of Needs and MacGregor's Theory X and Theory Y approach to management are considered.

5141-73

### CREATIVITY IN EDUCATION AND MANAGEMENT.

George Strother

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 10. July 19/30, 1971.

LB3479.U5W5 F&N

### Management education, School food service.

Abstract: This paper discusses the five ingredients of creativity, and stresses the importance of creative potential among school food service personnel.

## BIBLIOGRAPHY

5142-73

CREATIVE APPROACHES TO PROBLEM SOLVING.

Allene Vaden, Jean Bottger

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 105-123. July 12/23, 1971.

LB3479.U5K3 F&N

Nutrition education, Problem solving.

Abstract: This paper discusses creative approaches to problem solving. Included are the techniques of problem solving, creative characteristics, tips for idea finding, creative thinking and idea-spurring questions, and creativity in organization. A number of handouts were used in connection with this presentation and they are included in the proceedings.

5143-73

"COME, LET US GET CLOSER TO THE FIRE SO WE MAY SEE WHAT IT IS WE ARE SAYING" - A DIALOGUE ON COMMUNICATION.

Richard Vaden, Allene Vaden

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 276-300. July 12/23, 1971.

LB3479.U5K3 F&N

Communication skills.

Abstract: This paper presents a dialogue on communication. Topics covered include the communication process, the ingredients of communication, barriers to successful communication, improper communication flow, a test on written communication, employment communications, a quiz to show the communication problem of inference, the fallacy that words have mono-usage, the pendulum effect, the concept of allness, and techniques for improved communication. A listening profile and a speaking profile are included.

5144-73

MOTIVATION THROUGH COMMUNICATION.

Donald Wass

In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 63-90. 22 June/3 July, 1970.

LB3479.U5O39 F&N

Communication, Motivation.

Abstract: This paper gives a thorough review of the facets and problems of communication, and the part communication plays in motivation.

5145-73

FOOD--FEEDING---UNDERSTANDING.

Kenneth G Weckel

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 25. July 19/30, 1971.

LB3479.U5W5 F&N

Food supply, World problems.

Abstract: This paper discusses the problem of the world food supply and various means for expanding food production.

5146-73

DEVELOPING COMMUNITY SUPPORT OF NUTRITION EDUCATION PROGRAMS.

John Woeste

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 63. July 19/30, 1971.

LB3479.U5W5 F&N

Change agents, Nutrition education, School community relations.

Abstract: This paper discusses the roles of a "change agent" which include those of analyzer, advisor, advocator, and innovator. The "change agent" approach can be useful in developing community support of nutrition education programs.

5147-73

THE SCHOOL FOOD SERVICE LABOR RELATIONS PICTURE.

Max S Wortman

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 138-161. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&N

Labor unions, Personnel management, School food service.

Abstract: The speaker discussed labor union organization and militancy, unionization of professionals, contract negotiations, compulsory arbitration, and other factors affecting labor relations in school food service operations.

5148-73

A SYSTEM---WHAT IT IS AND WHAT IT DOES. (PART 2).

Albert L Wrisley

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 55-60. July 12/24, 1970.

LB3479.U5M3 F&N

Food service, Management systems, Organization, Systems analysis.

Abstract: A discussion of systems and food service.

5149-73

YOUTH SPEAKS: STUDENT INVOLVEMENT IN SCHOOL FOOD SERVICE - A PANEL DISCUSSION.

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 201-215. July 12/23, 1971.

LB3479.U5K3 F&N

Food preferences, School food service, Student involvement.

Abstract: This panel discussed youth involvement in school food service. The objective was to provide insight into students' reactions to school food service. Related questions included what students like and dislike about school food service, their suggestions for improvement, ways the school food service director can increase participation, particularly among students, and "why don't your friends eat in the school lunch service?".

## Education and Training

5150-73

STAFFING AND TRAINING PERSONNEL FOR CENTRALIZED SCHOOL FOOD SERVICE SYSTEMS.

Gertrude Applebaum

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 64-76. June 15/26, 1970.

LB3479.U5T4 F&N

Food service training, Personnel, School food service.

Abstracts: Presents illustrated approach for model staffing patterns.

5151-73

NUTRITION AND COMMUNICATION.

James D Beck

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 61-63. July 18/28, 1971.

LB3479.U5 F&N

Communication skills, Models, Nutrition education.

Abstract: This paper discusses the factors involved in effective communication. A model called the Johari Window which illustrates how each person might be viewed as functioning in his relationship to others is presented.

5152-73

WHAT IS NUTRITION EDUCATION.

E M Berdahl

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 55-56. June 21/July 2, 1971.

LB3479.U5U8 F&N

Low income groups, Nutrition education, Preschool children (2-5 years).

Abstract: This paper discusses nutrition education for families. Two educational experiments are included, one in which the objective was to help preschool children learn via television, though no food information was presented, and the other in which the objective was to improve dietary levels of groups.

5153-73

ADVENTURES IN NUTRITION EDUCATION RESOURCES II--MINI WORKSHOPS WITH DAIRY COUNCIL, INC.

Arlene Bickel, Joan Gay, Betty Harris

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 64-66. July 18/28, 1971.

LB3479.U5 F&N

Nutrition education, Workshops.

Abstract: This paper presents three mini-workshops which were used to demonstrate vehicles by which the teaching of nutrition can be integrated into a total elementary school curriculum. Dairy Council, Inc. materials were used in the workshops.

5154-73

NUTRITION EDUCATION: SELECTING AND ORGANIZING MATERIAL FOR DIFFERENT AGE GROUPS.

Fannie Lee Boyd

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 244-266. July 12/23, 1971.

LB3479.U5K3 F&N

Age groups, Nutrition education, Student participation.

Abstract: This paper discusses the selecting and organizing of materials for nutrition education for different age groups. The objectives for each grade level are presented. Also included are the Basic Concepts for Nutrition Education developed by the Interagency Committee on Nutrition Education, the suggestions for programs and a listing of student nutrition committee projects from the Georgia Teenage Nutrition Committee, and suggestions for activities "from classroom to cafeteria".

5155-73

INTEGRATING NUTRITION EDUCATION INTO THE SCHOOL CURRICULUM.

Fannie Lee Boyd

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 230-235. July 12/23, 1971.

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5168-73

LB3479.U5K3 F&N  
Curriculum planning, Nutrition education, School food service.  
Abstract: This paper concerns the integrating of nutrition education into the school curriculum. Five principles of learning are presented, and the school service director's responsibility for nutrition in the school curriculum is discussed. Suggestions are made for ways to assist teachers in fulfilling their role in nutrition education and for special events which can involve students.

5156-73

STUDENT INVOLVEMENT IN SCHOOL FOOD SERVICE AND NUTRITION PROGRAMS.

Grace Carr, Pam Isreal

In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 52. July 19/30, 1971.

LB3479.U5W5 F&N

Nutrition education, Programs, School food service, Student participation.

Abstract: This paper discusses the involvement of youth in the school food service and nutrition education programs in the Bryan Public Schools, Bryan, Ohio. A school lunch student panel proved to be one of the most effective ways to promote good nutrition.

5157-73

NUTRITION EDUCATION: RESOURCES AVAILABLE FOR THE SCHOOL FOOD SERVICE SUPERVISOR (A PANEL DISCUSSION).

Sara Clement, Helen A Guthrie, Twyla Shear

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 66-74. July 12/24, 1971.

LB3479.U5P4 F&N

Food service management, Nutrition education, Resource guides. Abstract: The purpose of this panel presentation was to provide seminar participants with nutrition education resource materials and techniques they might use in implementing future workshops for their management level people. Resources presented include specified books and journals and materials available from nutrition-related trade organizations, professional groups and the U.S. Government. Techniques presented include Instructional Objectives Exchange (IOX) and the learning package.

5158-73

A SYSTEMATIC TRAINING AND TEACHING PROGRAM.

David G Craig

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1969 p 60-67. June 16/27, 1969.

LB3479.U5T4 1969 F&N

Job training, Models, Teaching techniques.

Abstract: Outline of the recognized phases of training and teaching programs using 2 models which fit well in administrative and managerial functions.

5159-73

RELATING SCHOOL LUNCH AND CLASSROOM TEACHING.

Marion L Cronan

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 238-254. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&N

Integrated curriculum, Nutrition education, School lunch programs, Student participation.

Abstract: The speaker suggested several specific factors that make up an effective nutrition education program for children in school. The first is: Nutrition education should begin as soon as a child enters school and continue throughout his life. Second, a dynamic sequential curriculum is required that will integrate learning opportunities and experiences in nutrition with other school disciplines. Three, the cooperation of all school personnel is needed--students, teachers, administrators, and health professionals. Four, the parents and the community should be interested and involved. Five, innovative teaching aids are needed. Six, the mass media should be enlisted to reinforce the in-school teaching.

5160-73

SEMINAR EVALUATION.

D G Cruce

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 149-151. June 21/july 2, 1971.

LB3479.U5U8 F&N

Evaluation, Seminars.

Abstract: This paper contains an evaluation by seminar participants as to how adequately each of the four major objectives of the seminar was accomplished. Suggestions for improvement of future seminars are included.

5161-73

IT CAN BE DONE.

Frances W Dobbins

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 139-155. July 12/23, 1971.

LB3479.U5K3 F&N

Nutrition education, School food service, Teaching guides, Workshops.

Abstract: This paper discusses the challenge of nutrition

education and the premise that to some degree everyone is an educator. The school food service program is considered as a living laboratory that can greatly enhance the total school program. A slide presentation on the "ways school food service can be involved in the total education process" is included. Also included are handouts relating to this presentation; these handouts cover guiding principles in nutrition teaching, how to change a school lunch program into an education program, a nutrition education workshop for teachers, a parent nutrition workshop, and outlines for nutrition education for children, ages 5-16.

5162-73

DYNAMIC "THINK" SESSIONS - SUMMARY OF BRAINSTORMING GROUPS.

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 127-138. July 12/23, 1971.

LB3479.U5K3 F&N

Group dynamics, Problem solving, Public relations, School food service, Student participation.

Abstract: This section of the proceedings covers several dynamic "think" sessions. Seminar participants took part in brainstorming groups with the objective to develop new ideas for school food service and creative approaches for problem-solving. "Think" session topics included how to involve students more in school food service, how to increase participation in school food service, how to improve the decor and atmosphere in the average school lunchroom. How to win public support for school food service, and techniques for nutrition education in secondary schools.

5163-73

BANQUET AND ACTIVITY FEATURES.

Dortez F Enloe

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 162-167. July 18/28, 1971.

LB3479.U5 F&N

Behavior, Discussion (Teaching technique), Teaching methods. Abstract: Special activities which involved the seminar participants were held throughout the seminar. These included a banquet, the developing of behavioral objectives and a learning activity package for teachers, a creativity laboratory, a film festival, a session to demonstrate group dynamics, a media laboratory, nutrition games, an open forum, an outdoor seminar, project review panels, a seminar showcase, and teaching with tapes.

5164-73

EVALUATION ON NUTRITION EDUCATION SEMINAR.

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 178-181. July 18/28, 1971.

LB3479.U5 F&N

Evaluation, Seminars.

Abstract: This section of the proceedings covers the overall evaluation of this seminar by the participants. Tallys of opinions concerning the various presentations and activities are included.

5165-73

OPEN FORUM.

Clinita A Ford

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 95-101. July 18/28, 1971.

LB3479.U5 F&N

Instructional aids.

Abstract: This paper presents an extensive outline covering the factors to be considered in preparing an effective bulletin board, and the purposes for, criteria for preparation of, guidelines for use of and appraisal of instructional aids.

5166-73

GOAL SETTING.

James L Gant

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 102. July 18/28, 1971.

LB3479.U5 F&N

Seminars.

Abstract: This paper covers an opening-night group dynamics session which was held to allow participants to get acquainted and to set up goals for the seminar.

5167-73

WRITING BEHAVIORAL OBJECTIVES.

Bessie R McClendon

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 134-138. July 18/28, 1971.

LB3479.U5 F&N

Behavioral objectives, Teaching aids.

Abstract: This paper discusses the writing of behavioral objectives. Topics include the classification of objectives, words to use in writing objectives, and the three basic parts of a behavioral objective.

5168-73

TRAINING FOR SCHOOL FOOD SERVICE: SOME NEW CONCEPTS.

Marjorie McKinley, Gertrude Griney, Grace Shugart

In Proceedings of the National School Food Service Conference,

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5169-73

Rutgers Univ., 1972 p. 154-165. June 27-29, 1972.  
TX345.N3 1972 F&N  
Food service management, Food service training, Instructional aids, Job training, Personnel management, Programed instruction, Research, Teaching methods.  
Abstract: This article is a transcript of three talks given on the subject of training school food service personnel, both workers and managers, details of several experimental training programs are described and recommendations for application and further research are presented.

5169-73

SCHOOL LUNCH ROOM AS A LIVING LABORATORY.  
Beatrice McKinney  
In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 65-68. June 21/july 2, 1971.

LB3479.U5U8 F&N  
Day care services, Nutrition education, School lunch programs.  
Abstract: This paper discusses nutrition education as taking place in a "living laboratory" which centers around the school lunch room and related activities. Topics included cover the milieu of the lunchroom itself, educational approaches used for children of different levels, nutrition education in day care centers, various extracurricular approaches such as party food planning, the freedom of choice in lunches for senior high students, special programs for vocational students, the FEAST program for 11th and 12th graders interested in a food service career, environment education such as camp cooking, the Dietetic Intern Program with the University of Washington, and scholarships provided by school lunchroom groups for deserving students.

5170-73

TECHNIQUES FOR TEACHING NUTRITION TO CHILDREN.  
Margie Newman  
In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 88-89. June 21/july 2, 1971.  
LB3479.U5U8 F&N  
Nutrition education, Teaching techniques.  
Abstract: This paper presents techniques for teaching nutrition to children used by the Salt Lake County Extension's Expanded Food and Nutrition Education Program.

5171-73

PARTICIPATN REACTOR DISCUSSION GROUPS.  
In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 156-160. July 18/28, 1971.  
LB3479.U5 F&N  
Group dynamics.  
Abstract: One of the features of the seminar was to have participant reactor discussion groups following selected presentations. Presentations of the highlights of 9 of these discussions are included.

5172-73

AN EXPERIMENT IN INTEGRATING NUTRITION EDUCATION INTO THE ELEMENTARY SCHOOL CURRICULUM [A PANEL].  
Edward J Post, Mary Critser, Annette Kobriger  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 14-15. July 19/30, 1971.  
LB3479.U5W5 F&N  
Elementary education, Models, Nutrition education.  
Abstract: This paper presents the objectives and efforts involved in an experiment in integrating nutrition education into the elementary school curricula. Panel members included the administrator of School Food Service Programs, Wisconsin Department of Public Instruction, the Director of School Food Service Programs, Green Bay Public Schools and a nutrition consultant from the Wisconsin Dept. of Health and Social Service.

5173-73

PROCEDURE FOR DEVELOPING, SUBMITTING AND EVALUATING INDIVIDUAL PROJECTS.  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 67-104 July 19/30, 1971.  
LB3479.U5W5 F&N

Education, Evaluation, Management, Nutrition education.  
Abstract: Each seminar registrant was responsible for developing an individual project involving nutrition education and the related management processes. The implementation of each project was to be carried out at a subsequent time in the participant's own school, community, district or state. Final project reports were returned to faculty advisors for evaluation upon completion of the projects. An outline for the proper preparation of the project reports, and 50 completed project reports are included.

5174-73

PROJECT REVIEW.  
In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 186-20022 June/3 July, 1970.  
LB3479.U5O39 F&N  
Projects.  
Abstract: This section of the proceedings covers resumes of 34 submitted projects developed by seminar participants.

5175-73

EDUCATION --A DIMENSION OF MANAGEMENT.  
Creta Sabine  
In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 146-15322 June/3 July, 1970.  
LB3479.U5O39 F&N  
Management education, Personnel management.  
Abstract: This paper discusses education as a dimension of management. Upgrading of employees, skills and encouraging them to become part of an essential management team is stressed. A quiz which appraises the education, personal development and growth of managers and information on the PPBES structured process for management are included.

5176-73

SEMINAR EVALUATION.  
In Proceedings of the Midwest Regional Seminar for Schoolfood Service Supervisors and Directors, U. of Wisc., 1971 p 105-126. July 19/30, 1971.  
LB3479.U5W5 F&N  
Evaluation, Seminars.  
Abstract: This section of the proceedings gives detailed information concerning the various ways that the seminar was evaluated. Check lists used in the evaluations and the overall results are included.

5177-73

SEMINAR EVALUATION PLAN [2] REFERENCE LIST [3] SEMINAR PARTICIPANTS.  
In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 334-365. July 12/23, 1971.  
LB3479.U5K3 F&N  
Evaluation, Seminars.  
Abstract: This section of the proceedings covers the seminar evaluation plan. The 100 participants were divided into 3 groups, each of which was to approach the evaluation by a slightly different method. It is hoped that the results of this evaluation show which method produces the most change and the greatest implementation of new ideas following the seminar. The results of the evaluation will be made available to the Food and Nutrition Service, USDA.

5178-73

SEMINAR PROJECTS AND NOTES ON PROGRAM STRUCTURE.  
In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 169-177. July 18/28, 1971.  
LB3479.U5 F&N  
Seminars.  
Abstract: This section of the proceedings outlines the approaches to and activities involved in the development of the projects of individual seminar participants.

5179-73

TECHNIQUES OF GROUP INVOLVEMENT.  
Winifred O Stone, Richard F Maeder  
In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 151-152. July 18/28, 1971.  
LB3479.U5 F&N  
Group dynamics.  
Abstract: This paper covers the testing of 2 techniques of group involvement by seminar participants. The first technique, Learning Thru Discussion (LTD), is a 9-step procedure to systematically promote efficient and effective methods of communicating in small groups. The second technique, Information Intermix (IM), promotes the objective of whole-learner involvement and responsibility for self-learning with in a trusting, cooperative group.

## Menu Planning

5180-73

NUTRITION AT A PRICE: ECONOMICS OF MENU PLANNING.  
James Keiser  
In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 79-87. July 12/24, 1971.  
LB3479.U5P4 F&N  
Food cost analysis, Menu planning.  
Abstract: This paper deals with economics of menu planning. Included are tools which are useful in controlling food costs such as item and menu costing, records of food costs and income, forecasting and controls in the sub-systems of the food delivery system.

## BIBLIOGRAPHY

5189-73

5181-73

NEW CONCEPTS IN CHILD NUTRITION PROGRAMS: NUTRIENT STANDARD FOR SCHOOL FEEDING, COMPUTER-ASSISTED-MENU PLANNING.  
Grace Osteno  
In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 45-52. June 27-29, 1972.  
TX345.N3 1972 F&N  
Child nutrition programs, Computer applications, Food standards and legislation, Menu planning, Nutrient requirements, Nutrient standards, Recommended Dietary Allowances, School lunch programs, Type A lunch.  
Abstract: This article discusses the use of a nutrient standard as the basis for menu planning in child nutrition programs. Regulations currently require that menus be planned according to the Type A meal pattern. If the nutrient standard proves to be a viable technique for menu planning, it would give school lunch directors a second option when planning children's meals. The term "nutrient standard" refers to a predetermined nutrient goal based on the RDA as a standard of comparison for monitoring the nutrient level of the meals served. The Type A pattern incorporates the 4 basic food groups and specifies the minimum quantity of food required in each group. The nutrient standard technique is more flexible than the Type A pattern; it allows for greater use of new foods and can be more easily adapted to computer menu planning operations.

5182-73

CREATIVE APPROACHES TO TYPE A MENU PLANNING IN MEETING CURRENT SOCIAL NEEDS.  
Ruth Richard  
In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 191-200. July 12/23, 1971.  
LB3479.U5K3 F&N  
Charts, Menu planning.  
Abstract: This paper discusses the meeting of social needs via creative approaches to Type A menu planning. Factors involved in menu planning are presented and a number of charts pertaining to creative menu planning are included.

Part 2, Univ. of Massachusetts, 1970 p 210-219. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&N

College food service, Convenience foods, Food cost analysis, Food quality, Palatability ratings.  
Extract: The speaker is head of a large food service operation that has switched to almost a complete use of convenient-efficient foods by means of an extensive testing procedure. He described both the operation and the testing procedure.

5186-73

TRUCK AND ROUTING OPTION (A MODEL BASED ON THE DISTRIBUTION OF DONATED COMMODITIES).

Daymon Thatch

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 99-100. June 27-29, 1972.  
TX345.N3 1972 F&N

Child nutrition programs, Computer applications, Donated foods, Food delivery systems, Food preparation and distribution systems, New Jersey, School lunch programs, Transportation.

Abstract: Without adequate food transport to schools, the value of any child nutrition program is greatly reduced. Using a computer, a general transportation model has been devised to solve a wide range of school food distribution problems. The model was designed to (1) find the least-cost delivery/routing system between elementary school districts and distribution warehouses in New Jersey; (2) determine an optimum location for one, two, or several distribution points throughout the state; and (3) evaluate cost possibilities of transportation options--whether to hire carriers, set up a trucking firm within the school system, or use a leasing operation. The model is specifically designed to deliver a percentage of the RDA to school districts within the state. The 515 New Jersey districts require 109 truck routes and about 3,055,000 lbs. of food delivered monthly. The food delivery system, by using the devised route minimization plan, could be accomplished with 5 trucks working 8 hours a day 20 days a month. Warehouses in New Jersey are not now optimally located.

## Food Preparation and Production

## Equipment

5183-73

THE SCHOOL FOOD SERVICE PRODUCTION KITCHEN.  
Carolyn M Gerhard  
In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 162-178. July 12/24, 1970.  
LB3479.U5M3 PT. 2 F&N  
Food delivery systems, Food preparation and distribution systems, Legislation, Satellite, School food service.  
Abstract: The speaker discussed the various types of school feeding systems, emphasizing that there is no one perfect solution and that the evaluation must be made in terms of the need for the program and in terms of the particular community. The systems were considered in the light of the speakers own experience in Atlantic City, and the peculiar needs of that community.

5184-73

FOOD SERVICE APPROACHES IN SCHOOLS WITHOUT FULL FACILITIES.  
Ruth B Moskowitz  
In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 90-98. June 27-29, 1972.  
TX345.N3 1972 F&N  
Child nutrition programs, Engineered foods, Facility requirements, Food preferences, Food preparation and distribution systems, Menu planning, Program evaluation, School children (6-11 years), School lunch programs.  
Abstract: The introduction of engineered foods into the menu pattern of an elementary school lunch program will not create any problems for children, teachers, schools, or district school food service personnel. This conclusion was reached after studying children's acceptance scores and plate waste in test schools having no dining or kitchen facilities. Children were fed in their classrooms, and food was delivered to and distributed from basement storage areas. Menu planning was possible using the RDA as a nutrient standard, and food proved to be highly acceptable when planned around foods, such as hamburger, pizza, and frankfurters. There exist several types of food delivery systems that require no kitchen, no food service staff within the school, and no separate lunchroom. Each of these systems are discussed, listing their merits and demerits.

5185-73

TESTING OF PRODUCTS IS ESSENTIAL.  
Joel M Stoneham  
In Proceedings of the Northeast School Food Service Seminar,

5187-73

AUTOMATED MATERIALS HANDLING, LABOR-SAVING EQUIPMENT, AND SERVICES OF FOOD SERVICE CONTRACTORS ARE IN SCHOOL FOOD SERVICE PICTURE.

William D McLean

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 294-300. July 12/24, 1970.  
LB3479.U5M3 F&N

Commercial food service, Equipment, Food service, School food service.

Abstract: Convenience of "todays" technology in school food service.

5188-73

CONTROL OF USE OF SPACE AND EQUIPMENT.

Stanley Smith

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 107-113. June 15/26, 1970.  
LB3479.U5T4 F&N

Case studies, Equipment, School food service.

Abstract: 5 major areas are presented, (1) Kind of equipment (2) Capacity of equipment (3) Layout (4) Procurement (5) maintenance in the use of space and equipment in school food service operation.

## Food Technology

5189-73

NEW FOODS IN CHILD NUTRITION PROGRAMS: FNS "NEW FOOD" NOTICES.  
Kermit Bird  
In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 41-45. June 27-29, 1972.  
TX345.N3 1972 F&N  
Child nutrition programs, Convenience foods, Cup-can, Engineered foods, Food technology, New foods, Processed foods, School lunch programs, Type A lunch.

## BIBLIOGRAPHY

5190-73

**Abstract:** It is easier for companies to develop new food products than it is to get these new foods into the school food service system. Food habits are one of the hardest behavior patterns to change. The author here discusses a variety of new foods, describing their characteristics and explaining how they can fit into school food service programs.

5190-73

**EXPLORING DIFFERENT WAYS OF MEETING NUTRITIONAL NEEDS.**

S W Bogyo

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 255-266. July 12/24, 1970.

LB3479.U5M3 F&N

Food technology, Fortification agents, Low income groups, Nutrition, Protein foods, School food service.

**Abstract:** Protein products examined in the light of industrial research and nutritional standards.

5191-73

**NEW FOOD PRODUCTS AND FOOD PREPARATION TECHNIQUES.**

Mary Coleman

In Proceedings of the Northeast Regional Seminar for School Food Service Supervisors, Penn. State Univ., 1971 p 25-36. July 12/24, 1971.

LB3479.U5P4 F&N

Food preparation, Synthetic foods.

**Abstract:** This paper covers new food products and food preparation techniques. Included are discussions of synthetic foods, enrichment and fortification of foods, food additives, and meat cookery.

5192-73

**WHAT WILL WE BE EATING TOMORROW.**

J E Edmonson

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 159-175. July 12/23, 1971.

LB3479.U5K3 F&N

Food technology, Synthetic foods.

**Abstract:** This paper discusses the foods of tomorrow and the development of new or modified foods. USDA criteria for approval of new or modified foods used in food programs are included. Foods discussed are synthetic whipped topping and synthetic coffee whitener; whole, filled and imitation milks; meat analogues; and textured vegetable protein. Use of some of these foods in preparation of school lunches is included.

5193-73

**CONVERSION AND PACKAGING OF FOOD PRODUCTS FOR USE WHERE FACILITIES AND PERSONNEL ARE LIMITED OR NON-EXISTENT.**

William D Stamper

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 282-294. July 12/24, 1970.

LB3479.U5M3 F&N

Commercial food service, Food service industry, Food standards and legislation, Nutrition.

**Abstract:** A discussion of the conditions under which industry supplements school food service systems by conversion or packaged foods.

5194-73

**PRODUCTS AND SYSTEMS EVALUATED AND INDUSTRY LIAISON.**

Henry H Winawer

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 86-90. June 27-29, 1972.

TX345.N3 1972 F&N

Child nutrition programs, Engineered foods, Evaluation, Food preparation and distribution systems, Food technology, New foods, Processed foods, Program design, Systems analysis.

**Abstract:** 400 engineered foods were evaluated for use in child nutrition programs. Fully 26% failed the initial test stage-- being unacceptable either in terms of palatability or in terms of its possible use in schools without kitchen facilities. In fact, only 13% of the total reached the final stage of evaluation by elementary schools. At that point, only 2% failed, which indicates that the prescreening techniques were quite thorough. School food service people should provide food manufacturers with definite guidelines as to (1) product feasibility in terms of acceptance, nutritional value, and cost, (2) product suitability in terms of packaging, storage requirements, distribution, delivery, ease of preparation, and retention of nutrients.

1970.

LB3479.U5M3 PT. 2 F&N

Contract feeding, Food delivery systems, Food preparation and distribution systems, School food service, Surplus commodities.

**Abstract:** The speaker described the program in Detroit, how it got started, and how it has progressed to date. Detroit has food service in 190 of its 325 schools. Total district enrollment is 290 thousand. In the 190 schools which have food service, 70 thousand meals are provided per day. The composition consists of 14 base kitchens, which in turn serve 116 satellite schools. Bulk heated food is transported into 116 satellite schools. Forty-four self-contained kitchens are in operation and, since April 1st, 16 Astro-Pack schools.

5196-73

**THE IMPACT OF SCHOOL FOOD SERVICE, ITS VALUE TO EDUCATION AND ITS FUTURE.**

Paul Briggs

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 221-229. July 12/23, 1971.

LB3479.U5K3 F&N

Cafeterias, Education, Kitchens, Processed foods, School food service, School lunch programs, Storage.

**Abstract:** This paper discusses the impact of school food service and its value to education. Specific topics include the esthetic value of foods, the decor and atmosphere of lunchrooms, a breakfast program, the lack of guidelines for development of universal lunch programs and especially for the designing of kitchens, transportation, storage and cooking of prepared meals, and the challenge to start serving the children of urban America. He stresses the importance of finding ways to use the school cafeterias for student activities that relate in a friendly way to other student activities.

5197-73

**OEO--THE EMERGENCY FOOD AND MEDICAL SERVICES PROGRAM AND NUTRITION EDUCATION.**

O C Brown

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 70-71. July 18/28, 1971.

LB3479.U5 F&N

Food programs, Nutrition education.

**Abstract:** This paper discusses the development of the Emergency Food Program in 1968, the New School Lunch Law in 1971, and resources available through Federal food programs such as special information booklets, commodity foods, and food stamps. Implications of these programs for nutrition education are presented.

5198-73

**THE MASSACHUSETTS SCHOOL LUNCH NUTRITIONAL STUDY.**

Dorothy L Callahan

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 220-222. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&N

Massachusetts, School food service, Student participation, Surveys.

**Extract:** Of what value is the Type A lunch? Do the children going home for lunch, or bringing their lunch to school, eat just as well? Is a student competent and wise enough to select a nutritious meal when confronted with a choice of a la carte items? Why don't all children who can, buy and eat the Type A lunch? To try to answer these questions, 80,000 Massachusetts public school children participated in a 24-hour dietary survey. It was a systematic sampling of every 10th school from the public school listing. It consisted of boys and girls, from grades one through 12, attending schools with and without cafeteria facilities. Thirty percent of the students came from schools with high needy enrollment.

5199-73

**FLORIDA'S EXPANDED NUTRITION PROGRAM.**

Susan C Camp

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 72-81. July 18/28, 1971.

LB3479.U5 F&N

Florida, Low income groups, Nutrition education.

**Abstract:** This paper discusses the expanded nutrition program developed by the Florida Cooperative Extension Service. The heart of this program is the trained, indigenous Aide who reaches the hard-to-reach, low-income families with nutrition education. Objectives of this program and the recruiting, training, and supervising of Aides are included. The program has been in existence a little more than 2 years and evaluations to date are exceedingly favorable.

5200-73

**SCHOOL FOOD SERVICE NUTRITION EDUCATION FINANCE PROJECT.**

Thelma Flanagan

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 93-94. July 18/28, 1971.

LB3479.U5 F&N

Nutrition education, School food service, U.S. Dept. of Agriculture.

**Abstract:** This paper discusses the objectives and the means for achieving the objectives of USDA's National School Food

## Programs - General

5195-73

**THE CONTRACTOR SUPPLYING A SCHOOL FOOD SERVICE PACKAGE.**

Howard W Briggs

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 189-209. July 12/24,

## Service and Nutrition Education Finance Project.

5201-73

## SOUTHWEST REGION'S RESPONSE TO THE CHALLENGE OF NUTRITION EDUCATION.

Gene E Good

In Proceedings of the Southwest Region School Food Service Seminar, Kansas State Univ., 1971 p 39-41. July 12/23, 1971. LB3479.U5K3 F&amp;N

Food service management, School lunch programs.

**Abstract:** This paper reviews the Southwest Region's response to the challenge of nutrition education over the past 25 years. The varying levels of progress among the 12,000 school lunch programs in the region are noted and school food service directors are challenged to "stop waiting for someone else to put it all together" and take whatever is the next step in their individual situations with enthusiasm.

5202-73

## PROJECT ON FOODS AND NUTRITION SERVICES IN THE PUBLIC SCHOOLS (IN NORTH CAROLINA).

Mary K Head, Stephen Hiemstra

In Proceedings of the Nutrition Education Seminar, Florida Agricultural and Mechanical Univ., 1971 p 103-117. July 18/28, 1971.

LB3479.U5 F&amp;N

Child nutrition programs, Computer applications, Federal programs, Information services, Legislation.  
**Abstract:** This paper discusses new developments in food service. Topics included are the commitment to end hunger, new legislation, the various provisions of Public Law 91-248, and in particular some of the projects being carried out under Section 6 of the law, the establishment of an Information and Educational Materials Center in connection with the National Agricultural Library, studies to evaluate and improve child nutrition programs, Special Developmental Projects under Section 10 of the Child Nutrition Act, computer assisted menu planning, nutrient standards and engineered foods.

5203-73

## A NEW DECADE FOR SCHOOL FOOD SERVICE.

Edward J Hekman

In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 11-18. 22 June/July 3, 1970.

LB3479.U5O39 F&amp;N

Federal programs, School food service.

**Abstract:** This paper discusses the new decade for school food service. Topics included are the objectives of USDA Food and Nutrition Service, the size of current food assistance programs such as the Food Stamp Program, the Commodity Distribution Program and the School Lunch Program, the 1971 budget recommendations for the Food and Nutrition Service, a resume of the major provisions of Public Law 91-248, new directions for child nutrition programs, the improvement of communication, on-going research and evaluation studies, and questions for the future.

5204-73

## CONFERENCE SUMMARY AND CLOSING REMARKS.

Edward J Hekman

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 174-175. June 27-29, 1972.

TX345.N3 1972 F&amp;N

Child nutrition programs, Conferences, Food industry, Meetings, Proceedings, School food service, Symposia.

**Abstract:** This article is a transcript of the closing speech praising the work of this conference and thanking the participants for attending.

5205-73

## OTHER CURRENT PROJECTS.

Stephen Hiemstra

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 53-58. June 27-29, 1972.

TX345.N3 1972 F&amp;N

Child nutrition programs, Economics, North Carolina, Program evaluation, Program planning, Research, School lunch programs, Washington (State).

**Abstract:** This article synthesizes various studies of child nutrition programs--their objectives, their modes of operation, and evaluation of their success.

5206-73

## DIRECTING AND COMMUNICATIONS IN A CENTRAL SYSTEM.

Eleanor Howton

In Proceedings of the Southeastern Regional Seminar for School Food Service Admin., Univ. of Tenn., 1970 p 86-93. June 15/26, 1970.

LB3479.U5T4 F&amp;N

Case studies, School food service.

**Abstract:** Pilot programs, studies and Committee work-reports in certain areas in School Food Programs are used to present outline of progress made in school food system in Jefferson County, Alabama, School System.

5207-73

## CURRENT DEMANDS ON THE SCHOOL FOOD SERVICE SYSTEM.

Franklin Kent

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 68-78. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&amp;N

Cultural factors, Disadvantaged youth, Food preferences, Population trends, School food service, Urbanization.

**Abstract:** The speaker approached what he felt was "a rather amorphous subject" by getting involved in some perspective with regard to the problems, situations, and considerations in the Northeast region." He emphasized the problems of urbanization, of feeding needy children, and of planning suitable school lunches for children of diverse ethnic backgrounds.

5208-73

## NUTRITION IN SCHOOL FOOD SERVICE.

Paul A Lachance

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 101-103. June 27-29, 1972.

TX345.N3 1972 F&amp;N

Bagger, Child nutrition programs, Nutrient intake, Nutrient requirements, Nutrient standards, Recommended Dietary Allowances, School children (6-11 years), School lunch programs, Type A lunch.

**Abstract:** There are several lunch alternatives available to the school child: eating at home, at a commercial food service, bringing lunch from home in a brown bag, school-provided meals, or no food at all. The brown-bag students leave very little food waste--they eat 92% of their food--but none of the bag lunches assure one-third of the RDA. Type-A-lunch students are not better off--these lunches cannot assure one-third of the RDA, either. They are shy of calories by 80% to 100%. This should not be a problem, however, because already there are too many obese children. Protein allotment in Type A lunches is usually above the RDA. This overload is unnecessary because the average American already consumes on the order of twice the RDA for protein. Iron is usually too low 99% of the time. Micronutrient values are anywhere from 39% to 49% below the RDA. Also, vitamin A is below the RDA 50% of the time. School food service directors should demand nutrient analysis information on Type A lunch foods.

5209-73

## INITIATING AND IMPLEMENTING A NEW SCHOOL FOOD SERVICE IN SALT LAKE CITY ELEMENTARY SCHOOLS.

Dela Mare

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 39-42. June 21/July 2, 1971.

LB3479.U5U8 F&amp;N

History, School children (6-11 years), School lunch programs.

**Abstract:** This paper discusses the history of school lunch programs in elementary schools in Salt Lake City, and the planning and problems involved in implementing a new school lunch program in fall 1967.

5210-73

## DOLLARS AND SENSE OF NUTRITION EDUCATION.

Norman Mitchell

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 78-81. June 21/July 2, 1971.

LB3479.U5U8 F&amp;N

Administrator role, Cost effectiveness, Food programs, Nutrition education, Planning, United States.

**Abstract:** This paper discusses a proposed Universal Food and Nutrition Education Program for all children and the cost of such a program. Information on the proposed bill HR 5291, sponsored in Congress by the American School Food Service Association, is presented. HR 5291 would assure adequate nutrition offerings for the Nation's children, encourage the teaching of principles of good nutrition as an integral part of the total educational process, and strengthen state and local administration of food service programs for children.

5211-73

## A NEW DECADE FOR SCHOOL FOOD SERVICE.

Philip C Olsson

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 388-393. July 12/24, 1970.

LB3479.U5M3 F&amp;N

Child nutrition programs, Computer applications, Data analysis, Legislation, Milk programs, School lunch programs.

**Abstract:** Public Law 91-248 is discussed. Highlights of its impact on child nutrition system. Need for better information systems recognized.

5212-73

## AT THE THRESHOLD OF ATTAINMENT.

John N Perryman

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 9-23. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&amp;N

Child nutrition programs, Conferences, Developing nations, Food supply, Population growth, Speeches.

**Abstract:** Mr. Perryman's task was to sketch "the vast panoramic treatment which inspires, enthuses, and paves the way for the detailed consideration of the subjects which come later." To accomplish this, he cast the discussion "against the frame of reference of that vast panorama of food as a basic ingredient of life on earth; and against the frame of reference of the Second World Food Congress, at The Hague." Rather than present a scholarly treatise, he related a number of experiences he had had recently, particularly his experiences at the Congress.

5213-73

5213-73

## PHILOSOPHY &amp; NEED FOR TECHNICAL INNOVATION IN CHILD NUTRITION PROGRAMS.

Herbert Rorex

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 13-17. June 27-29, 1972.

TX345.N3 1972 F&amp;N

Child nutrition programs, Food standards and legislation, Food technology, Innovation, Nutrient standards, Nutrition policy, Nutritional quality, Program evaluation, School food service.

Abstract: Three basic technical innovations are needed to improve child nutrition programs: (1) improved food delivery systems, including simplified approaches for reaching schools with no food service programs; (2) foods in new, more convenient forms to increase menu variety, to have greater eye and taste appeal for students, and to hold down costs; (3) innovative approaches to nutrition education. All future technical innovations adopted by child nutrition programs should stress human values over technical artistry and/or cost considerations.

5214-73

## STATEMENT OF FNS POLICY ON NUTRITION EDUCATION &amp; TRAINING.

Daniel Rosenfield

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 146-153. June 27-29, 1972.

TX345.N3 1972 F&amp;N

Child nutrition programs, Consumer education, Food standards and legislation, Government role, Nutrition education, Nutrition policy, Research, USDA Food and Nutrition Service.

Abstract: The USDA Food and Nutrition Service has recently been expanding its efforts in nutrition education and training, thanks to the provisions of PL 91-248 enacted in 1970. This law created the FNS Technical Services Staff which oversees and provides nutrition training to personnel in a number of areas. Moreover, it makes available line items for funds for nutrition education purposes. This article purports to explain FNS policy with regard to nutrition education.

5215-73

## RELATED NUTRITION PROGRAMS.

Eva Simpson

In Proceedings of the Western Regional School Food Service Seminar, Utah State Univ., 1971 p 82-87. June 21/july 2, 1971.

LB3479.U5U8 F&amp;N

Food programs, Nutrition education, Summer programs, Workshops.

Abstract: This paper discusses "related" nutrition programs. Included are the nutrition education roles of programs such as Head Start, Community Action Programs, Vista, the Model City Program, county Cooperative Extension Services, community nutrition councils, the vocational education program FEAST, the Utah State Department of Public Assistance, the Johnson-O'Malley Workshops for Indian parents, summer programs for migrant children, and various committees interested in hunger. A brief review of some of the socio-economic and cultural factors which account for declining nutritional status in the U.S. is included.

5216-73

## WHY NEW JERSEY SCHOOLS DO OR DO NOT PARTICIPATE IN SCHOOL FEEDING PROGRAMS.

Daymon Thatch, Lewis B Straus

In Proceedings of the National School Food Service Conference, Rutgers Univ., 1972 p. 74-80. June 27-29, 1972.

TX345.N3 1972 F&amp;N

Child nutrition programs, Facility requirements, New Jersey, School administration, School lunch programs, School systems, Student participation, Surveys.

Abstract: A study, conducted to find out why New Jersey schools do not participate in school food programs, revealed the following facts. The major reason for non-participation was stated to be a lack of facilities, both of kitchens and storage areas. Many schools thought that the costs of initiating a program were extremely high. Some administrators felt the school lunch program was not consistent with the school's educational objectives, and there was community pressure not to join.

5217-73

## THE BALTIMORE SCHOOL LUNCH STORY.

Eleanor G Weagly, Robert E Umphrey

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 267-275. July 12/24, 1970.

LB3479.U5M3 F&amp;N

Baltimore, Box Lunch, Satellite, School lunch, U.S. Dept. of Agriculture, Vita-pak.

Abstract: The Baltimore story of packaged school lunches.

## Reference Materials

5218-73

## BIBLIOGRAPHY.

In Proceedings of the Southwestern Regional Seminar for School Food Service Admin., Okla. State Univ., 1970 p 166-17322 june/3 july, 1970.

LB3479.U5O39 F&amp;N

Bibliographies, Nutrition education.

Abstract: This section of the proceedings contains a bibliography of 103 references which relate to subject content of the seminar.

5219-73

## IMPLICATIONS OF THE NATIONAL NUTRITIONAL STUDY.

Arnold E Schaefer

In Proceedings of the Northeast School Food Service Seminar, Part 2, Univ. of Massachusetts, 1970 p 223-237. July 12/24, 1970.

LB3479.U5M3 PT. 2 F&amp;N

Child nutrition programs, Deficiency diseases and disorders, Dietary surveys, National surveys, School food service.

Abstract: The speaker summarized the findings of the Department of Health, Education, and Welfare's 10-state nutrition survey, noting that "the major problems we found of concern are problems of inadequate feeding, inadequate nutrition, or under-nutrition, in the zero through 17 years age group." Particular deficiencies in relation to particular groups are covered in some detail.

## Purchasing, Receiving and Storage

5220-73

## CHANGES IN PURCHASING, STORAGE, DELIVERY AND UTILIZATION PRACTICES AND PROCEDURES. (A PANEL PRESENTATION) PART 1-FOOD.

Albert L Wrisley

In Proceedings of the Northeast School Food Service Seminar, Univ. of Massachusetts, 1970 p 276. July 12/24, 1970.

LB3479.U5M3 F&amp;N

Equipment, Food habits, Foodways, Purchasing, School lunch programs, Specifications.

Abstract: Panel presentation which brought together representatives of government and industry to consider changes in food, equipment, practices and procedures necessitated by changing school food service programs.

# SUBJECT INDEX

- ADMINISTRATION**  
 Management functions of school and non school food services. 5100  
 The school food service administrator and the computer. 5121  
 The more effective school food service supervisor in the larger job. 5122  
 Management of human resources. 5123  
 Panel on characteristics of centralized food service systems. 5136
- ADMINISTRATION POLICIES**  
 Extent of the problem involved. 5079
- ADMINISTRATOR ROLE**  
 Dollars and sense of nutrition education. 5210
- ADOLESCENTS (12-19 YEARS)**  
 Initiating and implementing a new school food service program. 5093
- AGE GROUPS**  
 Implementing nutrition education in school food service. 5005  
 Why people eat what they eat. 5020  
 Nutrition education: Selecting and organizing material for different age groups. 5154
- AGRICULTURAL DEVELOPMENT**  
 Ecological pressures on nutritional resources. 5107
- ATTITUDES**  
 Panel: Problems encountered in school food service. 5023  
 Today's youth - A new breed of cat. 5128
- BAGGER**  
 Nutrition in school food service. 5208
- BALTIMORE**  
 The Baltimore school lunch story. 5217
- BEHAVIOR**  
 Nutrition, Learning, Behavior and Motivation. 5012  
 Banquet and activity features. 5163
- BEHAVIOR CHANGE**  
 Be creative in nutrition education. 5022
- BEHAVIORAL OBJECTIVES**  
 Writing behavioral objectives. 5167
- BIBLIOGRAPHIES**  
 Organization and coordination of resources. 5085  
 Bibliography. 5218
- BOX LUNCH**  
 The Baltimore school lunch story. 5217
- BUDGETS**  
 Trends in food service systems, panel discussions. 5078  
 Management of human resources. 5123
- CAFETERIAS**  
 An administrator's view of school food service. 5074  
 The impact of school food service, its value to education and its future. 5196
- CALORIC VALUES**  
 Calories, energy and weight control. 5006
- CARBOHYDRATES**  
 Review of protein and carbohydrate metabolism. 5010
- CARDIOVASCULAR DISORDERS**  
 Fats and heart disease. 5009  
 Polyunsaturated fats--Life span--Cardio-vascular disease. 5035
- CASE STUDIES**  
 Organizing centralized school food service systems. 5067  
 Planning: Planning a centralized School Food Service System. 5068  
 An administrator's view of school food service. 5074  
 Identification of communication problems in organizations. 5090  
 Cost of finances in centralized food service systems. 5134  
 Control of use of space and equipment. 5188  
 Directing and communications in a central system. 5206
- CHANGE AGENTS**  
 "KUPS - Knowledge Utilization for Problem Solving. 5109  
 Developing community support of nutrit-
- ion education programs. 5146
- CHARTS**  
 Creative approaches to type A menu planning in meeting current social needs. 5182
- CHILD NUTRITION**  
 Industry's interest in school food programs. 5125
- CHILD NUTRITION PROGRAMS**  
 Consumer education in nutrition. 5000  
 Recent advances & problems in nutrition & food science, and implications for child nutrition programs. 5002  
 Food regulations, nutrition & nutrition labeling. 5063  
 Methodology related to acceptability, cost & nutrition. 5071  
 Processing contracts for donated commodities. 5077  
 Recommendations and implications of the Rutgers effort. 5110  
 Industry's interest in school food programs. 5125  
 New concepts in child nutrition programs: nutrient standard for school feeding, computer-assisted-menu planning. 5181  
 Food service approaches in schools without full facilities. 5184  
 Truck and routing option (a model based on the distribution of donated commodities). 5186  
 Project on foods and nutrition services in the Public Schools (in North Carolina). 5202  
 Conference summary and closing remarks. 5204  
 Other current projects. 5205  
 Nutrition in school food service. 5208  
 A new decade for school food service. 5211  
 At the threshold of attainment. 5212  
 Philosophy & need for technical innovation in child nutrition programs. 5213  
 Statement of FNS policy on nutrition education & training. 5214  
 Why New Jersey schools do or do not participate in school feeding programs. 5216  
 Implications of the National nutritional study. 5219
- CHILDREN**  
 Why people eat what they eat. 5020  
 Panel: Problems encountered in school food service. 5023  
 Nutrition--A dimension of education. 5051  
 Children's perception of food. 5101
- COLLEGE FOOD SERVICE**  
 Testing of products is essential. 5185
- COMMERCIAL FOOD SERVICE**  
 Experiences in using management services. 5133  
 Automated materials handling, labor-saving equipment, and services of food service contractors are in school food service picture. 5187  
 Conversion and packaging of food products for use where facilities and personnel are limited or non-existent. 5193
- COMMUNICATION**  
 Changing food habits. 5047  
 Guidelines to effective communication. 5098  
 Functions of participative management. 5105  
 Communication - Change. 5124  
 Motivation through communication. 5144
- COMMUNICATION SKILLS**  
 Communication and effecting change. 5080  
 "Come, let us get closer to the fire so we may see what it is we are saying" - A dialogue on communication. 5143  
 Nutrition and communication. 5151
- COMMUNICATIONS**  
 Communication methods and media in nutrition education programs. 5082  
 Identification of communication problems in organizations. 5090  
 The art of directing and communicating. 5120
- COMMUNITY**  
 Understanding the community social system. 5106
- COMMUNITY ACTION**  
 Rap sessions with Dr. Perryman--A dialogue with seminar participants. 5045
- COMMUNITY INVOLVEMENT**  
 Reaching significant publics: The parent and community involvement. 5138
- COMPUTER APPLICATIONS**  
 Computers- A division of management. 5113  
 The school food service administrator and the computer. 5121  
 New concepts in child nutrition programs: nutrient standard for school feeding, computer-assisted-menu planning. 5181  
 Truck and routing option (a model based on the distribution of donated commodities). 5186  
 Project on foods and nutrition services in the Public Schools (in North Carolina). 5202  
 A new decade for school food service. 5211
- CONFERENCES**  
 Conference summary and closing remarks. 5204  
 At the threshold of attainment. 5212
- CONSUMER EDUCATION**  
 Consumer education in nutrition. 5000  
 Food regulations, nutrition & nutrition labeling. 5063  
 Statement of FNS policy on nutrition education & training. 5214
- CONTRACT FEEDING**  
 Expanding the conventional school food service program. 5081  
 Utilizing outside contractors to expand school food service operations. 5102  
 Experiences in using management services. 5133  
 The contractor supplying a school food service package. 5195
- CONTRACTS**  
 Processing contracts for donated commodities. 5077
- CONVENIENCE FOODS**  
 Testing of products is essential. 5185  
 New foods in child nutrition programs: FNS "new food" notices. 5189
- COST EFFECTIVENESS**  
 Methodology related to acceptability, cost & nutrition. 5071  
 Recommendations and implications of the Rutgers effort. 5110  
 Dollars and sense of nutrition education. 5210
- COSTS**  
 Processing contracts for donated commodities. 5077
- CULTURAL FACTORS**  
 Cultural food patterns and school food service. 5028  
 Socio-culture aspects of food and eating -- A social scientist's approach (With group discussions). 5032  
 Food is a point of view. 5034  
 Understanding the community social system. 5106  
 Current demands on the School Food Service System. 5207
- CUP-CAM**  
 New foods in child nutrition programs: FNS "new food" notices. 5189
- CURRICULUM**  
 Panel: Where do I begin and what do I do in nutrition education. 5042
- CURRICULUM PLANNING**  
 Integrating nutrition education into the school curriculum. 5155

## SUBJECT INDEX

### CYBERNETICS

**CYBERNETICS**  
 The behavioral cybernetic components of human nutrition. 5049  
**DATA ANALYSIS**  
 A new decade for school food service. 5211  
**DAY CARE SERVICES**  
 Communicating with low income families through the school and child day care food service. 5092  
 School lunch room as a living laboratory. 5169  
**DECISION MAKING**  
 A system---What it is and what it does. 5075  
 Extent of the problem involved. 5079  
 Today's youth - A new breed of cat. 5128  
**DEFICIENCY DISEASES AND DISORDERS**  
 Implications of the National nutritional study. 5219  
**DEVELOPING NATIONS**  
 At the threshold of attainment. 5212  
**DIETARY SURVEYS**  
 Recent school food service trends:  
 Implications to nutrition education [Panel 1.] [Panel 2.]. 5040  
 Implications of the National nutritional study. 5219  
**DIETETICS**  
 Textured vegetable protein (TVP). 5052  
**DISADVANTAGED YOUTH**  
 Current demands on the School Food Service System. 5207  
**DISCUSSION (TEACHING TECHNIQUE)**  
 Banquet and activity features. 5163  
**DISEASE PREVENTION**  
 Fats and heart disease. 5009  
**DONATED FOODS**  
 Processing contracts for donated commodities. 5077  
 Truck and routing option (a model based on the distribution of donated commodities). 5186  
**ECOLOGY**  
 Ecological pressures on nutritional resources. 5107  
**ECONOMIC INFLUENCES**  
 The three A's of change - Anticipating, Accepting, Actuating. 5066  
**ECONOMICS**  
 Other current projects. 5205  
**EDUCATION**  
 How up-to-date is your nutrition knowledge? 5021  
 Rap sessions with Dr. Perryman--A dialogue with seminar participants. 5045  
 Communication - Change. 5124  
 Procedure for developing, submitting and evaluating individual projects. 5173  
 The impact of school food service, its value to education and its future. 5196  
**EDUCATIONAL PROGRAMS**  
 The scope of current nutrition education efforts [Panel]. 5057  
**ELDERLY (65 + YEARS)**  
 Management of human resources. 5123  
**ELEMENTARY EDUCATION**  
 An experiment in integrating nutrition education into the elementary school curriculum [A panel]. 5172  
**ENERGY**  
 Calories, energy and weight control. 5006  
 The behavioral cybernetic components of human nutrition. 5049  
 Ecological pressures on nutritional resources. 5107  
**ENGINEERED FOODS**  
 Nutritional aspects of engineered foods and delivery systems in school food service. 5033  
 Food service approaches in schools without full facilities. 5184  
 New foods in child nutrition programs: FNS "new food" notices. 5189  
 Products and systems evaluated and industry liaison. 5194  
**EQUIPMENT**  
 Automated materials handling, labor-saving equipment, and services of food service contractors are in school food service picture. 5187  
 Control of use of space and equipment. 5188  
 Changes in purchasing, storage, delivery and utilization practices and procedures. (A panel presentation) Part 1-Food. 5220

### EVALUATION

Sensory evaluation of foods. 5015  
 Recommendations and implications of the Rutgers effort. 5110  
 Seminar evaluation. 5160  
 Evaluation on Nutrition Education Seminar. 5164  
 Procedure for developing, submitting and evaluating individual projects. 5173  
 Seminar evaluation. 5176  
 Seminar evaluation plan [2] Reference list [3] Seminar participants. 5177  
 Products and systems evaluated and industry liaison. 5194  
**FACILITIES PLANNING AND LAYOUT**  
 Expanding the conventional school food service program. 5081  
 Utilizing outside contractors to expand school food service operations. 5102  
**FACILITY REQUIREMENTS**  
 Food service approaches in schools without full facilities. 5184  
 Why New Jersey schools do or do not participate in school feeding programs. 5216  
**FAT MODIFICATIONS**  
 Polyunsaturated fats--Life span--Cardio-vascular disease. 5035  
**FATS AND OILS**  
 Fats and heart disease. 5009  
**FEDERAL AID**  
 Recommendations and implications of the Rutgers effort. 5110  
**FEDERAL PROGRAMS**  
 Role of nutrition education in the nutrition decade. 5043  
 Challenge to the seminar. 5064  
 Centralized food service systems-A review. 5069  
 New developments in school food service. 5097  
 Management needs better understanding of food service potentials in planning and using efficient food service facilities. 5115  
 Planning short and long range objectives for the future of the school food services. 5130  
 Project on foods and nutrition services in the Public Schools (in North Carolina). 5202  
 A new decade for school food service. 5203  
**FINANCE**  
 Centralized food service systems-A review. 5069  
 Trends in food service systems, panel discussions. 5078  
 Cost of finances in centralized food service systems. 5134  
**FINANCIAL MANAGEMENT**  
 The control function in the management of school food service. 5119  
**FINANCIAL SUPPORT**  
 Changes in the law and new legislation--What it means. 5065  
 Extent of the problem involved. 5079  
**FLAVOR**  
 Sensible nutrition. 5013  
**FLORIDA**  
 Florida's expanded nutrition program. 5199  
**FOOD ADDITIVES**  
 Food additives. 5038  
**FOOD BELIEFS**  
 Foods fads and fallacies. 5004  
**FOOD COMPOSITION TABLES**  
 Explanation of food composition tables and comparison of actual intake with recommended intake. 5008  
 Summary of discussion groups: "Use of food composition tables to determine nutrient content of a type "A" lunch. Discussion group no. 3. 5050  
**FOOD COST ANALYSIS**  
 Nutrition at a price: Economics of menu planning. 5180  
 Testing of products is essential. 5185  
**FOOD DELIVERY SYSTEMS**  
 Nutritional aspects of engineered foods and delivery systems in school food service. 5033  
 Organizing centralized school food service systems. 5067  
 Expanding the conventional school food service program. 5081  
 Utilizing outside contractors to expand school food service operations. 5102  
 The school food service production kitchen. 5183  
 Truck and routing option (a model based

on the distribution of donated commodities). 5186

The contractor supplying a school food service package. 5195

### FOOD DISTRIBUTION PROGRAMS

Processing contracts for donated commodities. 5077

### FOOD FADS

Trends in food service systems, panel discussions. 5078

### FOOD HABITS

Consumer education in nutrition. 5000

Why people eat what they eat. 5020

Be creative in nutrition education. 5022

Panel: Problems encountered in school food service. 5023

Cultural food patterns and school food service. 5028

Socio-culture aspects of food and eating -- A social scientist's approach (With group discussions). 5032

Food is a point of view. 5034

Changing food habits. 5047

Changes in purchasing, storage, delivery and utilization practices and procedures. (A panel presentation) Part 1-Food. 5220

### FOOD INDUSTRY

Industry's interest in school food programs. 5125

Conference summary and closing remarks. 5204

### FOOD POISONING

Food microbiology: Theoretical basis and popularized material. 5016

### FOOD PREFERENCE MEASURES

Methodology related to acceptability, cost & nutrition. 5071

### FOOD PREFERENCES

Consumer education in nutrition. 5000

Methodology related to acceptability, cost & nutrition. 5071

How to capitalize on student food preference patterns. 5095

Recommendations and implications of the Rutgers effort. 5110

Youth speaks: Student involvement in school food service - a panel discussion. 5149

Food service approaches in schools without full facilities. 5184

Current demands on the School Food Service System. 5207

### FOOD PREPARATION

New food products and food preparation techniques. 5191

### FOOD PREPARATION AND DISTRIBUTION SYSTEMS

Processing contracts for donated commodities. 5077

Trends in food service systems, panel discussions. 5078

Expanding the conventional school food service program. 5081

Panel on characteristics of centralized food service systems. 5136

The school food service production kitchen. 5183

Food service approaches in schools without full facilities. 5184

Truck and routing option (a model based on the distribution of donated commodities). 5186

Products and systems evaluated and industry liaison. 5194

The contractor supplying a school food service package. 5195

### FOOD PREPARATION, QUANTITY

Qualitative and quantitative control of food. 5131

### FOOD PROCESSING

Processing contracts for donated commodities. 5077

### FOOD PROGRAMS

Management of human resources. 5123

OEO--The emergency food and medical services program and nutrition education. 5197

Dollars and sense of nutrition education. 5210

Related nutrition programs. 5215

### FOOD QUALITY

Qualitative and quantitative control of food. 5131

Testing of products is essential. 5185

### FOOD SCIENCE

Recent advances & problems in nutrition & food science, and implications for child nutrition programs. 5002

## SUBJECT INDEX

**FOOD SELECTION**  
 Consumer education in nutrition. 5000  
 Sensible nutrition. 5013  
 Food regulations, nutrition & nutrition labeling. 5063

**FOOD SERVICE**  
 Trends in food service systems, panel discussions. 5078  
 Management functions of school and non school food services. 5100  
 Motivation and productivity. 5112  
 A system---What it is and what it does. (Part 2). 5148  
 Automated materials handling, labor-saving equipment, and services of food service contractors are in school food service picture. 5187

**FOOD SERVICE INDUSTRY**  
 Development of a central commissary in industry. 5091  
 Conversion and packaging of food products for use where facilities and personnel are limited or non-existent. 5193

**FOOD SERVICE MANAGEMENT**  
 What is nutrition education: Why nutrition education? 5056  
 Expanding the conventional school food service program. 5081  
 Food management in school food service. 5129  
 Experiences in using management services. 5133  
 Nutrition education: Resources available for the school food service supervisor (A panel discussion). 5157  
 Training for school food service: some new concepts. 5168  
 Southwest Region's response to the challenge of nutrition education. 5201

**FOOD SERVICE SUPERVISORS**  
 "Talk-Ins"--Summary of group reports: Role of the school food service in nutrition education. 5001

**FOOD SERVICE TRAINING**  
 Staffing and training personnel for centralized school food service systems. 5150  
 Training for school food service: some new concepts. 5168

**FOOD STAMP PROGRAMS**  
 Trends in food service systems, panel discussions. 5078

**FOOD STANDARDS AND LEGISLATION**  
 Food regulations, nutrition & nutrition labeling. 5063  
 New concepts in child nutrition programs: nutrient standard for school feeding, computer-assisted-menu planning. 5181  
 Conversion and packaging of food products for use where facilities and personnel are limited or non-existent. 5193  
 Philosophy & need for technical innovation in child nutrition programs. 5213  
 Statement of FNS policy on nutrition education & training. 5214

**FOOD SUPPLY**  
 Role of nutrition education in the nutrition decade. 5043  
 Food--Feeding--Understanding. 5145  
 At the threshold of attainment. 5212

**FOOD TABLES, CONTENT**  
 Explanation of food composition tables and comparison of actual intake with recommended intake. 5008

**FOOD TECHNOLOGY**  
 Industry's interest in school food programs. 5125  
 New foods in child nutrition programs: FNS "new food" notices. 5189  
 Exploring different ways of meeting nutritional needs. 5190  
 What will we be eating tomorrow. 5192  
 Products and systems evaluated and industry liaison. 5194  
 Philosophy & need for technical innovation in child nutrition programs. 5213

**FOODS**  
 Sensory evaluation of foods. 5015

**FOODWAYS**  
 Changes in purchasing, storage, delivery and utilization practices and procedures. (A panel presentation) Part 1-Food. 5220

**FORTIFICATION AGENTS**  
 Exploring different ways of meeting nutritional needs. 5190

**FREE LUNCHES**  
 Changes in the law and new legislation--What it means. 5065

**GOVERNMENT ROLE**  
 Processing contracts for donated commodities. 5077  
 Statement of FNS policy on nutrition education & training. 5214

**GROUP DYNAMICS**  
 Motivation and productivity. 5112  
 Techniques of group dynamics. 5139  
 Dynamic "Think" sessions - Summary of brainstorming groups. 5162  
 Participatn reactor discussion groups. 5171  
 Techniques of group involvement. 5179

**GUIDELINES**  
 Guidelines to effective communication. 5098

**HISTORY**  
 Review of basic nutrition concepts. 5059  
 The new era in nutrition. 5060  
 Dimensions of administrative management. 5111  
 A new era in school food service. 5118  
 Initiating and implementing a new school food service in Salt Lake City Elementary schools. 5209

**HOME ECONOMICS EDUCATION**  
 Unified approaches toward nutrition education through school food service and home economics education. 5018

**INDUSTRY ROLE**  
 Industry's interest in school food programs. 5125

**INFANT DIETS**  
 Nutrition for young minds. 5029

**INFORMATION SERVICES**  
 Project on foods and nutrition services in the Public Schools (in North Carolina). 5202

**INNOVATION**  
 Recent advances & problems in nutrition & food science, and implications for child nutrition programs. 5002  
 Philosophy & need for technical innovation in child nutrition programs. 5213

**INSERVICE PROGRAMS**  
 Importance of nutrition education in school food service. 5039

**INSTRUCTIONAL AIDS**  
 Consumer education in nutrition. 5000  
 Open forum. 5165  
 Training for school food service: some new concepts. 5168

**INTEGRATED CURRICULUM**  
 Relating school lunch and classroom teaching. 5159

**IRON**  
 Minerals and body structure. 5011  
 Improving nutrient content of foods served. 5014

**IRON-DEFICIENCY ANEMIA**  
 Minerals and body structure. 5011

**JOB TRAINING**  
 A systematic training and teaching program. 5158  
 Training for school food service: some new concepts. 5168

**KITCHENS**  
 An administrator's view of school food service. 5074  
 The impact of school food service, its value to education and its future. 5196

**LABOR UNIONS**  
 The school food service labor relations picture. 5147

**LAWS**  
 Changes in the law and new legislation--What it means. 5065

**LEARNING**  
 Nutrition: A pre-condition to learning. 5024

**LEGAL PROBLEMS**  
 Processing contracts for donated commodities. 5077

**LEGISLATION**  
 Challenge to the seminar. 5064  
 Changes in the law and new legislation--What it means. 5065  
 New developments in school food service. 5097  
 A new era in school food service. 5118  
 The school food service production kitchen. 5183  
 Project on foods and nutrition services in the Public Schools (in North Carolina). 5202  
 A new decade for school food service.

**MEAT SPECIFICATIONS**  
 5211

**LOW INCOME GROUPS**  
 Communicating with low income families through the school and child day care food service. 5092  
 What is nutrition education. 5152  
 Exploring different ways of meeting nutritional needs. 5190  
 Florida's expanded nutrition program. 5199

**MALNUTRITION**  
 Nutrition: A pre-condition to learning. 5024  
 Malnutrition in the Western United States. 5025  
 Nutrition for young minds. 5029  
 Exploring the need for nutrition education. 5044  
 Nutrition and social dependency. 5048  
 Nutrition--A dimension of education. 5051  
 Malnutrition in the United States. 5055

**MANAGEMENT**  
 Coordinating nutrition education in school, home and community. 5030  
 Are you management knowledgeable? 5070  
 Case studies. 5073  
 Purposeful change in school food service programs. 5076  
 Trends in food service systems, panel discussions. 5078  
 Organization and coordination of resources. 5085  
 School feeding programs as an aspect of the educational institution -- Panel discussion. 5086  
 Quality control of food in the school food service. 5087  
 Group work session: listening guide for integrating nutrition education into the program. 5094  
 Review of management functions. 5099  
 Management functions of school and non school food services. 5100  
 Functions of participative management. 5105  
 Motivation and productivity. 5112  
 Management needs better understanding of food service potentials in planning and using efficient food service facilities. 5115  
 Methods for analyzing operations in school food service. 5116  
 The control function in the management of school food service. 5119  
 The art of directing and communicating. 5120  
 The more effective school food service supervisor in the larger job. 5122  
 Qualitative and quantitative control of food. 5131  
 The School Food Service System. 5132  
 Panel on characteristics of centralized food service systems. 5136  
 Procedure for developing, submitting and evaluating individual projects. 5173

**MANAGEMENT DEVELOPMENT**  
 Communication - Change. 5124

**MANAGEMENT EDUCATION**  
 Dimensions of administrative management. 5111  
 The more effective school food service supervisor in the larger job. 5122  
 The people dimension. 5127  
 Dynamics of motivation. 5140  
 Creativity in education and management. 5141  
 Education --A dimension of management. 5175

**MANAGEMENT GAMES**  
 Problem solving and conflict resolution. 5083

**MANAGEMENT SYSTEMS**  
 A system---What it is and what it does. (Part 2). 5148

**MASSACHUSETTS**  
 The Massachusetts school lunch nutritional study. 5198

**MEAL COMPOSITE ANALYSIS**  
 Meal frequency and nutrient utilization. 5036

**MEAT**  
 Labelling standards and some uses of meat analogs in new meat products. 5062

**MEAT SPECIFICATIONS**  
 Labelling standards and some uses of meat analogs in new meat products. 5062

## SUBJECT INDEX

### MEETINGS

- MEETINGS**
  - Conference summary and closing remarks. 5204
- MENTAL DEVELOPMENT**
  - Nutrition and mentality. 5037
- MENTAL RETARDATION**
  - Nutrition for young minds. 5029
- MENU PLANNING**
  - Nutrition at a price: Economics of menu planning. 5180
  - New concepts in child nutrition programs: nutrient standard for school feeding, computer-assisted-menu planning. 5181
  - Creative approaches to type A menu planning in meeting current social needs. 5182
  - Food service approaches in schools without full facilities. 5184
- METABOLISM**
  - Review of protein and carbohydrate metabolism. 5010
- MILK PROGRAMS**
  - A new decade for school food service. 5211
- MINERALS**
  - Minerals and body structure. 5011
  - Trace minerals. 5026
- MODELS**
  - Developing alternatives in nutrition education. 5072
  - The IDEALS Concept--a systems approach to school food service problems. 5108
  - "KUPS - Knowledge Utilization for Problem Solving. 5109
  - Management of human resources. 5123
  - Nutrition and communication. 5151
  - A systematic training and teaching program. 5158
  - An experiment in integrating nutrition education into the elementary school curriculum [A panel]. 5172
- MOTIVATION**
  - Nutrition, Learning, Behavior and Motivation. 5012
  - Dynamics of motivation. 5140
  - Motivation through communication. 5144
- NATIONAL SURVEYS**
  - Recent school food service trends: Implications to nutrition education [Panel 1.] [Panel 2.]. 5040
  - Malnutrition in the United States. 5055
  - Implications of the National nutritional study. 5219
- NEW FOODS**
  - New foods in child nutrition programs: FNS "new food" notices. 5189
  - Products and systems evaluated and industry liaison. 5194
- NEW JERSEY**
  - Recommendations and implications of the Rutgers effort. 5110
  - Truck and routing option (a model based on the distribution of donated commodities). 5186
  - Why New Jersey schools do or do not participate in school feeding programs. 5216
- NORTH CAROLINA**
  - Other current projects. 5205
- NUTRIENT CONTENT DETERMINATION**
  - Meal frequency and nutrient utilization. 5036
- NUTRIENT INTAKE**
  - Methodology related to acceptability, cost & nutrition. 5071
  - Nutrition in school food service. 5208
- NUTRIENT QUALITY DETERMINATION**
  - Food regulations, nutrition & nutrition labeling. 5063
  - Motivation for acceptance of high nutrient food: (consideration of assumption no. 5). 5088
  - Motivation for acceptance of high nutrient foods (consideration of assumptions no. 1-4). 5104
- NUTRIENT REQUIREMENTS**
  - New concepts in child nutrition programs: nutrient standard for school feeding, computer-assisted-menu planning. 5181
  - Nutrition in school food service. 5208
- NUTRIENT STANDARDS**
  - Food regulations, nutrition & nutrition labeling. 5063
  - New concepts in child nutrition programs: nutrient standard for school feeding, computer-assisted-menu planning. 5181
  - Nutrition in school food service. 5208
  - Philosophy & need for technical innova-

- tion in child nutrition programs. 5213
- NUTRIENT VALUES**
  - Explanation of food composition tables and comparison of actual intake with recommended intake. 5008
  - Improving nutrient content of foods served. 5014
  - Recommendations and implications of the Rutgers effort. 5110
- NUTRITION**
  - Consumer education in nutrition. 5000
  - Recent advances & problems in nutrition & food science, and implications for child nutrition programs. 5002
  - Guidelines for adequate nutrition. 5003
  - Vitamins and body structure. 5007
  - Minerals and body structure. 5011
  - Nutrition, Learning, Behavior and Motivation. 5012
  - Sensible nutrition. 5013
  - Nutrition: A pre-condition to learning. 5024
  - Nutrition and mentality. 5037
  - Rap sessions with Dr. Perryman--A dialogue with seminar participants. 5045
  - The behavioral cybernetic components of human nutrition. 5049
  - Textured vegetable protein (TVP). 5052
  - Review of basic nutrition concepts. 5059
  - The three A's of change - Anticipating, Accepting, Actuating. 5066
  - Ecological pressures on nutritional resources. 5107
  - Exploring different ways of meeting nutritional needs. 5190
  - Conversion and packaging of food products for use where facilities and personnel are limited or non-existent. 5193
- NUTRITION EDUCATION**
  - Consumer education in nutrition. 5000
  - "Talk-Ins"--Summary of group reports: Role of the school food service in nutrition education. 5001
  - Implementing nutrition education in school food service. 5005
  - Panel: Become involved in nutrition education. 5017
  - Unified approaches toward nutrition education through school food service and home economics education. 5018
  - Roles and challenges of school food service in nutrition education. 5019
  - Be creative in nutrition education. 5022
  - Intra-State group meeting to discuss alternatives 5027
  - Coordinating nutrition education in school, home and community. 5030
  - Adventures in nutrition education resources no. 1 -- nutrition education resource materials presentation with emphasis given to the role of the School Food Service. 5031
  - Nutritional aspects of engineered foods and delivery systems in school food service. 5033
  - Importance of nutrition education in school food service. 5039
  - Recent school food service trends: Implications to nutrition education [Panel 1.] [Panel 2.]. 5040
  - Opinions of nutrition education. 5041
  - Panel: Where do I begin and what do I do in nutrition education. 5042
  - Role of nutrition education in the nutrition decade. 5043
  - Exploring the need for nutrition education. 5044
  - A new look at nutrition education --- The time capsule. 5046
  - Nutrition--A dimension of education. 5051
  - Is education meeting the nutrition challenge of today? What should be done? 5053
  - Nominal group process for defining the problems in nutrition education. 5054
  - What is nutrition education: Why nutrition education? 5056
  - The scope of current nutrition education efforts [Panel]. 5057
  - Nutrition education - A new dimension. 5058
  - The new era in nutrition. 5060
  - Developing alternatives in nutrition education. 5072
  - Communication methods and media in nutrition education programs. 5082
  - School feeding programs as an aspect of

- the educational institution -- Panel discussion. 5086
- Motivation for acceptance of high nutrient food: (consideration of assumption no. 5). 5088
- New developments in school food service. 5097
- Implications for program planning in school food service. 5103
- Motivation for acceptance of high nutrient foods (consideration of assumptions no. 1-4). 5104
- Understanding the community social system. 5106
- "KUPS - Knowledge Utilization for Problem Solving. 5109
- Needed: Public relations for program expansion. 5114
- Challenge for school food service. 5137
- Creative approaches to problem solving. 5142
- Developing community support of nutrition education programs. 5146
- Nutrition and communication. 5151
- What is nutrition education. 5152
- Adventures in nutrition education resources ii--Mini workshops with Dairy Council, Inc. 5153
- Nutrition education: Selecting and organizing material for different age groups. 5154
- Integrating nutrition education into the school curriculum. 5155
- Student involvement in school food service and nutrition programs. 5156
- Nutrition education: Resources available for the school food service supervisor (A panel discussion). 5157
- Relating school lunch and classroom teaching. 5159
- It can be done. 5161
- School lunch room as a living laboratory. 5169
- Techniques for teaching nutrition to children. 5170
- An experiment in integrating nutrition education into the elementary school curriculum [A panel]. 5172
- Procedure for developing, submitting and evaluating individual projects. 5173
- OEO--The emergency food and medical services program and nutrition education. 5197
- Florida's expanded nutrition program. 5199
- School food service nutrition education finance project. 5200
- Dollars and sense of nutrition education. 5210
- Statement of FNS policy on nutrition education & training. 5214
- Related nutrition programs. 5215
- Bibliography. 5218
- NUTRITION POLICY**
  - Philosophy & need for technical innovation in child nutrition programs. 5213
  - Statement of FNS policy on nutrition education & training. 5214
- NUTRITIONAL LABELING**
  - Consumer education in nutrition. 5000
  - Food regulations, nutrition & nutrition labeling. 5063
- NUTRITIONAL QUALITY**
  - Food regulations, nutrition & nutrition labeling. 5063
  - Recommendations and implications of the Rutgers effort. 5110
  - Philosophy & need for technical innovation in child nutrition programs. 5213
- ORGANIZATION**
  - Introduction to the Seminar. 5061
  - Organizing centralized school food service systems. 5067
  - Planning: Planning a centralized School Food Service System. 5068
  - Techniques of group dynamics. 5139
  - A system--What it is and what it does. (Part 2). 5148
- ORGANIZATIONS**
  - Identification of communication problems in organizations. 5090
- PALATABILITY RATINGS**
  - Testing of products is essential. 5185
- PERSONNEL**
  - Staffing and training personnel for centralized school food service systems. 5150

<b>PERSONNEL MANAGEMENT</b>	<b>SCHOOL FOOD SERVICE</b>
Staffing the school food service. 5084	An administrator's view of school food service. 5074
Personnel training--A dimension of management. 5126	Purposeful change in school food service programs. 5076
The school food service labor relations picture. 5147	Extent of the problem involved. 5079
Training for school food service: some new concepts. 5168	Communication and effecting change. 5080
Education --A dimension of management. 5175	Expanding the conventional school food service program. 5081
<b>PLANNING</b>	Staffing the school food service. 5084
An administrator's view of school food service. 5074	Organization and coordination of resources. 5085
Planning short and long range objectives for the future of the school food services. 5130	School feeding programs as an aspect of the educational institution -- Panel discussion. 5086
Dollars and sense of nutrition education. 5210	Quality control of food in the school food service. 5087
<b>POPULATION GROWTH</b>	New developments in school food service. 5097
At the threshold of attainment. 5212	Review of management functions. 5099
<b>POPULATION TRENDS</b>	Management functions of school and non school food services. 5100
Current demands on the School Food Service System. 5207	Children's perception of food. 5101
<b>POULTRY</b>	Utilizing outside contractors to expand school food service operations. 5102
Labelling standards and some uses of meat analogs in new meat products. 5062	Implications for program planning in school food service. 5103
<b>PREDICTION</b>	The IDEALS Concept--a systems approach to school food service problems. 5108
Recent advances & problems in nutrition & food science, and implications for child nutrition programs. 5002	Recommendations and implications of the Rutgers effort. 5110
<b>PRESCHOOL CHILDREN (2-5 YEARS)</b>	Computers- A division of management. 5113
What is nutrition education. 5152	Methods for analyzing operations in school food service. 5116
<b>PROBLEM SOLVING</b>	White House Conference recommendations applicable to school food service. 5117
Purposeful change in school food service programs. 5076	A new era in school food service. 5118
Problem solving and conflict resolution. 5083	The control function in the management of school food service. 5119
Creative approaches to problem solving. 5142	The art of directing and communicating. 5120
Dynamic "Think" sessions - Summary of brainstorming groups. 5162	The school food service administrator and the computer. 5121
<b>PROCEEDINGS</b>	Management of human resources. 5123
Conference summary and closing remarks. 5204	Industry's interest in school food programs. 5125
<b>PROCESSED FOODS</b>	The people dimension. 5127
New foods in child nutrition programs: FNS "new food" notices. 5189	Food management in school food service. 5129
Products and systems evaluated and industry liaison. 5194	Planning short and long range objectives for the future of the school food services. 5130
The impact of school food service, its value to education and its future. 5196	Qualitative and quantitative control of food. 5131
<b>PROGRAM DESIGN</b>	Experiences in using management services. 5133
Products and systems evaluated and industry liaison. 5194	Cost of finances in centralized food service systems. 5134
<b>PROGRAM EVALUATION</b>	Panel on characteristics of centralized food service systems. 5136
Food service approaches in schools without full facilities. 5184	Challenge for school food service. 5137
Other current projects. 5205	Techniques of group dynamics. 5139
Philosophy & need for technical innovation in child nutrition programs. 5213	Creativity in education and management. 5141
<b>PROGRAM PLANNING</b>	The school food service labor relations picture. 5147
Implications for program planning in school food service. 5103	Youth speaks: Student involvement in school food service - a panel discussion. 5149
Other current projects. 5205	Staffing and training personnel for centralized school food service systems. 5150
<b>PROGRAMMED INSTRUCTION</b>	Integrating nutrition education into the school curriculum. 5155
Training for school food service: some new concepts. 5168	Student involvement in school food service and nutrition programs. 5156
<b>PROGRAMS</b>	It can be done. 5161
Nominal group process for defining the problems in nutrition education. 5054	Dynamic "Think" sessions - Summary of brainstorming groups. 5162
Student involvement in school food service and nutrition programs. 5156	The school food service production kitchen. 5183
<b>PROJECTS</b>	Automated materials handling, labor-saving equipment, and services of food service contractors are in school food service picture. 5187
Project review. 5174	Control of use of space and equipment. 5188
<b>PROTEIN FOODS</b>	Exploring different ways of meeting nutritional needs. 5190
Exploring different ways of meeting nutritional needs. 5190	The contractor supplying a school food service package. 5195
<b>PROTEINS</b>	The impact of school food service, its value to education and its future. 5196
Review of protein and carbohydrate metabolism. 5010	The Massachusetts school lunch nutritional study. 5198
Improving nutrient content of foods served. 5014	School food service nutrition education finance project. 5200
<b>PUBLIC RELATIONS</b>	A new decade for school food service.
Needed: Public relations for program expansion. 5114	
Dynamic "Think" sessions - Summary of brainstorming groups. 5162	
<b>PURCHASING</b>	
Changes in purchasing, storage, delivery and utilization practices and procedures. (A panel presentation) Part 1- Food. 5220	
<b>QUALITY CONTROL</b>	
Quality control of food in the school food service. 5087	
<b>RECOMMENDED DIETARY ALLOWANCES</b>	
Guidelines for adequate nutrition. 5003	
Explanation of food composition tables	

## SUBJECT INDEX

### SCHOOL LUNCH

5203 Conference summary and closing remarks.  
 5204 Directing and communications in a central system. 5206  
 Current demands on the School Food Service System. 5207  
 Philosophy & need for technical innovation in child nutrition programs. 5213  
 Implications of the National nutritional study. 5219  
**SCHOOL LUNCH**  
 Recent advances & problems in nutrition & food science, and implications for child nutrition programs. 5002  
 Improving nutrient content of foods served. 5014  
 Summary of discussion groups: "Use of food composition tables to determine nutrient content of a type "A" lunch. Discussion group no. 3. 5050  
 Centralized food service systems-A review. 5069  
 Are you management knowledgeable? 5070  
 School Lunch Task Force Report. 5089  
 Group work session: listening guide for integrating nutrition education into the program. 5094  
 How to capitalize on student food preference patterns. 5095  
 Panel: Challenges which must be met to assure a successful food service program and the importance of good communication between school lunch personnel and the students, teachers, parents and principals in meeting these challenges. 5096  
 The Baltimore school lunch story. 5217  
**SCHOOL LUNCH PROGRAMS**  
 Food regulations, nutrition & nutrition labeling. 5063  
 Changes in the law and new legislation--What it means. 5065  
 Methodology related to acceptability, cost & nutrition. 5071  
 Communicating with low income families through the school and child day care food service. 5092  
 Initiating and implementing a new school food service program. 5093  
 Management needs better understanding of food service potentials in planning and using efficient food service facilities. 5115  
 Relating school lunch and classroom teaching. 5159  
 School lunch room as a living laboratory. 5169  
 New concepts in child nutrition programs: nutrient standard for school feeding, computer-assisted-menu planning. 5181  
 Food service approaches in schools without full facilities. 5184  
 Truck and routing option (a model based on the distribution of donated commodities). 5186  
 New foods in child nutrition programs: FNS "new food" notices. 5189  
 The impact of school food service, its value to education and its future. 5196  
 Southwest Region's response to the challenge of nutrition education. 5201  
 Other current projects. 5205  
 Nutrition in school food service. 5208  
 Initiating and implementing a new school food service in Salt Lake City Elementary schools. 5209  
 A new decade for school food service. 5211  
 Why New Jersey schools do or do not participate in school feeding programs. 5216  
 Changes in purchasing, storage, delivery and utilization practices and procedures. (A panel presentation) Part 1-Food. 5220  
**SCHOOL SYSTEMS**  
 Why New Jersey schools do or do not participate in school feeding programs. 5216  
**SEMINARS**  
 Introduction to the Seminar. 5061  
 Challenge to the seminar. 5064  
 An administrator's view of school food service. 5074  
 Seminar evaluation. 5160  
 Evaluation on Nutrition Education Seminar. 5164  
 Goal setting. 5166

Seminar evaluation. 5176  
 Seminar evaluation plan [2] Reference list [3] Seminar participants. 5177  
 Seminar projects and notes on program structure. 5178  
**SENSORY APPRAISAL**  
 Sensory evaluation of foods. 5015  
**SIMULATION**  
 Problem solving and conflict resolution. 5083  
**SOCIAL CONFORMITY**  
 Nutrition and social dependency. 5048  
 Reaching significant publics: The state of the boy, 1971. 5135  
**SOCIOLOGY**  
 The three A's of change - Anticipating, Accepting, Actuating. 5066  
 Understanding the community social system. 5106  
**SOYBEAN PRODUCTS**  
 Labelling standards and some uses of meat analogs in new meat products. 5062  
**SPECIFICATIONS**  
 Changes in purchasing, storage, delivery and utilization practices and procedures. (A panel presentation) Part 1-Food. 5220  
**SPEECHES**  
 At the threshold of attainment. 5212  
**STATE GOVERNMENT**  
 Centralized food service systems-A review. 5069  
 Management needs better understanding of food service potentials in planning and using efficient food service facilities. 5115  
**STORAGE**  
 The impact of school food service, its value to education and its future. 5196  
**STUDENT INVOLVEMENT**  
 Panel: Challenges which must be met to assure a successful food service program and the importance of good communication between school lunch personnel and the students, teachers, parents and principals in meeting these challenges. 5096  
 Youth speaks: Student involvement in school food service - a panel discussion. 5149  
**STUDENT PARTICIPATION**  
 Methodology related to acceptability, cost & nutrition. 5071  
 Nutrition education: Selecting and organizing material for different age groups. 5154  
 Student involvement in school food service and nutrition programs. 5156  
 Relating school lunch and classroom teaching. 5159  
 Dynamic "Think" sessions - Summary of brainstorming groups. 5162  
 The Massachusetts school lunch nutritional study. 5198  
 Why New Jersey schools do or do not participate in school feeding programs. 5216  
**SUMMER PROGRAMS**  
 Related nutrition programs. 5215  
**SURPLUS COMMODITIES**  
 The contractor supplying a school food service package. 5195  
**SURVEYS**  
 Methodology related to acceptability, cost & nutrition. 5071  
 The Massachusetts school lunch nutritional study. 5198  
 Why New Jersey schools do or do not participate in school feeding programs. 5216  
**SYMPOSIA**  
 Conference summary and closing remarks. 5204  
**SYNTHETIC FOODS**  
 New food products and food preparation techniques. 5191  
 What will we be eating tomorrow. 5192  
**SYSTEMS ANALYSIS**  
 A system--What it is and what it does. 5075  
 Organization and coordination of resources. 5085  
 The School Food Service System. 5132  
 A system--What it is and what it does. (Part 2). 5148  
 Products and systems evaluated and industry liaison. 5194  
**SYSTEMS APPROACH**  
 The IDEALS Concept--a systems approach to school food service problems. 5108  
**TASTE**  
 Sensible nutrition. 5013  
**TEACHING AIDS**  
 Writing behavioral objectives. 5167  
**TEACHING GUIDES**  
 It can be done. 5161  
**TEACHING METHODS**  
 Banquet and activity features. 5163  
 Training for school food service: some new concepts. 5168  
**TEACHING TECHNIQUES**  
 A systematic training and teaching program. 5158  
 Techniques for teaching nutrition to children. 5170  
**TECHNOLOGY**  
 Development of a central commissary in industry. 5091  
**TEXTURED VEGETABLE PROTEINS**  
 Textured vegetable protein (TVP). 5052  
**TRACE ELEMENTS**  
 Trace minerals. 5026  
**TRAINING**  
 Personnel training--A dimension of management. 5126  
**TRANSPORTATION**  
 Truck and routing option (a model based on the distribution of donated commodities). 5186  
**TYPE A LUNCH**  
 New concepts in child nutrition programs: nutrient standard for school feeding, computer-assisted-menu planning. 5181  
 New foods in child nutrition programs: FNS "new food" notices. 5189  
 Nutrition in school food service. 5208  
**U.S. DEPT. OF AGRICULTURE**  
 School food service nutrition education finance project. 5200  
 The Baltimore school lunch story. 5217  
**UNITED STATES**  
 Malnutrition in the Western United States. 5025  
 Dollars and sense of nutrition education. 5210  
**UNSATURATED FATS**  
 Polyunsaturated fats--Life span--Cardio-vascular disease. 5035  
**URBANIZATION**  
 Current demands on the School Food Service System. 5207  
**USDA FOOD AND NUTRITION SERVICE**  
 Statement of FNS policy on nutrition education & training. 5214  
**VITA-PAK**  
 The Baltimore school lunch story. 5217  
**VITAMINS**  
 Vitamins and body structure. 5007  
**WASHINGTON (STATE)**  
 Other current projects. 5205  
**WEIGHT CONTROL**  
 Calories, energy and weight control. 5006  
**WHITE HOUSE CONFERENCE ON CHILDREN**  
 White House Conference recommendations applicable to school food service. 5117  
**WORKSHOPS**  
 Group work session: listening guide for integrating nutrition education into the program. 5094  
 Adventures in nutrition education resources ii--Mini workshops with Dairy Council, Inc. 5153  
 It can be done. 5161  
 Related nutrition programs. 5215  
**WORLD PROBLEMS**  
 Food--Feeding--Understanding. 5145  
**YOUNG ADULTS (20-34 YEARS)**  
 Today's youth - A new breed of cat. 5128

# PERSONAL AUTHOR INDEX

- Allen, A Dale 5066  
 Alsmeyer, Richard H 5062  
 Altschul, Aaron 5002  
 Anderson, Rae 5096  
 Applebaum, Gertrude 5067  
     5068, 5136, 5150  
 Bardwell, Flora 5003, 5004  
 Bartlett, Lawrence 5069  
 Bash, Wade 5070  
 Beck, James D 5151  
 Berdahl, E M 5005, 5152  
 Bickel, Arlene 5153  
 Bird, Kermit 5189  
 Bjorklund, Lila 5096  
 Bogyo, S W 5190  
 Bottger, Jean 5142  
 Bowers, James 5071  
 Boyd, Fannie Lee 5154, 5155  
 Boyd, Patricia 5023  
 Boyle, Patrick 5072  
 Briggs, Howard W 5195  
 Briggs, Paul 5196  
 Brinkman, G Lynn 5006, 5007  
     5008, 5009, 5010, 5011, 5059  
 Brooks, Karl M 5012  
 Brown, O C 5197  
 Budz, Ted 5052  
 Burenheide, Eleanor 5017  
 Callahan, Dorothy L 5198  
 Camp, Susan C 5199  
 Campbell, Mary L 5046  
 Carr, Grace 5156  
 Caul, Jean 5013  
 Chichester, Clinton O 5000  
 Clement, Sara 5157  
 Coleman, Mary 5014, 5015  
     5016, 5191  
 Collins, George J 5074  
 Conrade, George R 5075  
 Craig, David G 5158  
 Critser, Mary 5172  
 Cronan, Marion L 5159  
 Cruce, D G 5160  
 David, Beatrice 5040  
 David, Beatrice Donaldson  
     5076  
 Del Castillo, Juan 5077  
 Dickey, Eugene 5061, 5078  
 Dobbins, Frances W 5161  
 Dobbins, Francis 5017  
 Edmonson, J E 5192  
 Enloe, Cortez F 5060  
 Enloe, Dortez F 5163  
 Eshbach, Charles E 5079, 5080  
 Farley, Thomas J 5081  
 Ferguson, Allie E 5018  
 Fett, John 5082  
 Filley, Alan C 5083  
 Flanagan, Thelma 5084, 5085  
 Flanagan, Thelma G 5019  
 Flannagan, Thelma 5200  
 Ford, Clinita A 5165  
 Fox, Hazel 5020, 5021, 5022  
 Frohreich, Lloyd 5086  
 Gant, James L 5166  
 Gardner, Sherwin 5063  
 Gay, Joan 5153  
 Gerhard, Carolyn M 5183  
 Gillig, Eleanor M 5087  
 Glaus, F Wayne 5088  
 Goertz, Grayce 5089  
 Good, Gene E 5201  
 Gordon, Michael 5090  
 Graham, Jerry 5091  
 Gravatt, Arthur 5092  
 Griffeth, William 5069, 5078  
 Griffiths, I T 5093  
 Griney, Gertrude 5168  
 Grobstein, Irene 5023  
 Guthrie, Helen 5024, 5095  
 Guthrie, Helen A 5157  
 Handley, Harold 5096  
 Hansen, R G 5025  
 Harris, Betty 5153  
 Head, Mary K 5202  
 Hekman, Edward J 5097, 5203  
     5204  
 Hendricks, D G 5026  
 Hiemstra, Stephen 5202, 5205  
 Higbee, Arthur L 5098  
 Hitchcock, M J 5061  
 Hitchcock, Mary Jo 5069  
     5099, 5100  
 Hoeflin, Ruth 5101  
 Holgate, Marjorie 5102  
 Howtow, Eleanor 5206  
 Hunter, M B 5103  
 Hunter, Mildred B 5104, 5105  
 Hutchcroft, Etha 5040  
 Ippolite, Bruno 5086  
 Isreal, Pam 5156  
 Jerome, Norge W 5028  
 Johnson, Donald E 5106  
 Johnson, Mary E 5107  
 Johnson, Nancy E 5029  
 Johnston, James T 5108  
 Kaufman, Mildred 5030  
 Keiser, James 5180  
 Kendrick, Jean 5031  
 Kent, Franklin 5207  
 King, Harold 5082  
 Kiser, Barbara 5032  
 Kobriger, Annette 5172  
 Kohl, John 5109  
 LaChance, Paul A 5033, 5208  
 Lachange, Paul A 5110  
 Larson, June 5023  
 Latini, Mildred 5034  
 Lauscher, Florence 5057  
 Leidgh, Mary 5111  
 Lundberg, Donald E 5112  
 Lutz, Raymond 5113  
 Lynn, Robert A 5114  
 MacNulty, Bradford S 5115  
 Madina, Ben 5023  
 Maeder, Richard F 5179  
 Mahaffy, Mary J 5116  
 Mahoney, A W 5035  
 Mahoney, A W 5036, 5037  
     5038, 5117  
 Mare, D Dela 5209  
 Martin, Josephine 5118, 5119  
     5120  
 Matthews, M Eileen 5116  
 Mayfield, Carol 5017  
 McClendon, Bessie R 5167  
 McCloud, Ted 5069, 5078  
     5121  
 McCullough, Jane F 5122  
 McGee, Helen 5123  
 McKinley, Marjorie 5168  
 McKinney, Beatrice 5039  
     5169  
 McLean, William D 5187  
 Meiller, Larry 5082  
 Mennes, Mary E 5057, 5124  
 Mitchell, Norman 5210  
 Moskowitz, Ruth B 5184  
 Murphy, William B 5125  
 Nelson, Robert J 5040  
 Newman, Margie 5170  
 Ninemeier, Jack 5040  
 O'Farrell, Michael 5041  
 Odland, Lura M 5061  
 Olsen, Cecil F 5126, 5127  
 Olsson, Philip C 5211  
 Ostenson, Grace 5181  
 Owens, Richard 5128  
 Page, David R 5129  
 Perryman, John 5043, 5064  
     5130  
 Perryman, John N 5212  
 Peterson, Bernadine 5057  
 Post, Edward J 5172  
 Pratt, Eleanor 5131, 5136  
 Pringle, Dorothy J 5044  
 Regan, Elizabeth 5057  
 Reiss, Elsworth 5077  
 Rhoads, Dean D 5132  
 Richard, Ruth 5182  
 Rorex, Herbert 5069, 5213  
 Rosenfield, Daniel 5214  
 Saadeh, Mary A 5046  
 Sabine, Creta 5175  
 Savage, Jane 5047  
 Schaefer, Arnold E 5219  
 Schmalenberg, M C 5086  
 Schober, Rudolph A 5133  
 Schwartzkopf, Edward 5017  
 Searing, O L 5134  
 Sebring, Robert 5135  
 Shear, Twyla 5157

# TITLE INDEX

- "Come, let us get closer to the fire so we may see what it is we are saying" - A dialogue on communication. 5143  
 "KUPS - Knowledge Utilization for Problem Solving. 5109  
 "Talk-Ins"--Summary of group reports: Role of the school food service in nutrition education. 5001  
 An administrator's view of school food service. 5074  
 Adventures in nutrition education resources ii--Mini workshops with Dairy Council, Inc. 5153  
 Adventures in nutrition education resources no. 1 -- nutrition education resource materials presentation with emphasis given to the role of the School Food Service. 5031  
 Are you management knowledgeable? 5070  
 The art of directing and communicating. 5120  
 At the threshold of attainment. 5212  
 Automated materials handling, labor-saving equipment, and services of food service contractors are in school food service picture. 5187  
 The Baltimore school lunch story. 5217  
 Banquet and activity features. 5163  
 Be creative in nutrition education. 5022  
 The behavioral cybernetic components of human nutrition. 5049  
 Bibliography. 5218  
 Calories, energy and weight control. 5006  
 Case studies. 5073  
 Centralized food service systems-A review. 5069  
 Challenge for school food service. 5137  
 Challenge to the seminar. 5064  
 Changes in purchasing, storage, delivery and utilization practices and procedures. (A panel presentation) Part 1-Food. 5220  
 Changes in the law and new legislation--What it means. 5065  
 Changing food habits. 5047  
 Children's perception of food. 5101  
 Communicating with low income families through the school and child day care food service. 5092  
 Communication - Change. 5124  
 Communication and effecting change. 5080  
 Communication methods and media in nutrition education programs. 5082  
 Computers- A division of management. 5113  
 Conference summary and closing remarks. 5204  
 Consumer education in nutrition. 5000  
 The contractor supplying a school food service package. 5195  
 The control function in the management of school food service. 5119  
 Control of use of space and equipment. 5188  
 Conversion and packaging of food products for use where facilities and personnel are limited or non-existent. 5193  
 Coordinating nutrition education in school, home and community. 5030  
 Cost of finances in centralized food service systems. 5134  
 Creative approaches to problem solving. 5142  
 Creative approaches to type A menu planning in meeting current social needs. 5182  
 Creativity in education and management. 5141  
 Cultural food patterns and school food service. 5028  
 Current demands on the School Food Service System. 5207  
 Developing alternatives in nutrition education. 5072  
 Developing community support of nutrition education programs. 5146  
 Development of a central commissary in industry. 5091  
 Dimensions of administrative management. 5111  
 Directing and communications in a central system. 5206  
 Dollars and sense of nutrition education. 5210  
 Dynamic "Think" sessions - Summary of brainstorming groups. 5162  
 Dynamics of motivation. 5140  
 Ecological pressures on nutritional resources. 5107  
 Education --A dimension of management. 5175  
 Evaluation on Nutrition Education Seminar. 5164  
 Expanding the conventional school food service program. 5081  
 Experiences in using management services. 5133  
 An experiment in integrating nutrition education into the elementary school curriculum [A panel]. 5172  
 Explanation of food composition tables and comparison of actual intake with recommended intake. 5008  
 Exploring different ways of meeting nutritional needs. 5190  
 Exploring the need for nutrition education. 5044  
 Extent of the problem involved. 5079  
 Fats and heart disease. 5009  
 Florida's expanded nutrition program. 5199  
 Food additives. 5038  
 Food is a point of view. 5034  
 Food management in school food service. 5129  
 Food microbiology: Theoretical basis and popularized material. 5016  
 Food regulations, nutrition & nutrition labeling. 5063  
 Food service approaches in schools without full facilities. 5184  
 Food--Feeding--Understanding. 5145  
 Foods fads and fallacies. 5004  
 Functions of participative management. 5105  
 Goal setting. 5166  
 Group work session: listening guide for integrating nutrition education into the program. 5094  
 Guidelines for adequate nutrition. 5003  
 Guidelines to effective communication. 5098  
 How to capitalize on student food preference patterns. 5095  
 How up-to-date is your nutrition knowledge? 5021  
 The IDEALS Concept--a systems approach to school food service problems. 5108  
 Identification of communication problems in organizations. 5090  
 The impact of school food service, its value to education and its future. 5196  
 Implementing nutrition education in school food service. 5005  
 Implications for program planning in school food service. 5103  
 Implications of the National nutritional study. 5219  
 Importance of nutrition education in school food service. 5039  
 Improving nutrient content of foods served. 5014  
 Industry's interest in school food programs. 5125  
 Initiating and implementing a new school food service in Salt Lake City Elementary schools. 5209  
 Initiating and implementing a new school food service program. 5093  
 Integrating nutrition education into the school curriculum. 5155  
 Intra-State group meeting to discuss alternatives 5027  
 Introduction to the Seminar. 5061  
 Is education meeting the nutrition challenge of today? What should be done? 5053  
 It can be done. 5161  
 Labelling standards and some uses of meat analogs in new meat products. 5062  
 Malnutrition in the United States. 5055  
 Malnutrition in the Western United States. 5025  
 Management functions of school and non school food services. 5100  
 Management needs better understanding of food service potentials in planning and using efficient food service facilities. 5115  
 Management of human resources. 5123  
 The Massachusetts school lunch nutritional study. 5198  
 Meal frequency and nutrient utilization. 5036  
 Methodology related to acceptability, cost & nutrition. 5071  
 Methods for analyzing operations in school food service. 5116  
 Minerals and body structure. 5011  
 The more effective school food service supervisor in the larger job. 5122  
 Motivation and productivity. 5112  
 Motivation for acceptance of high nutrient food: (consideration of assumption no. 5). 5088  
 Motivation for acceptance of high nutrient foods (consideration of assumptions no. 1-4). 5104  
 Motivation through communication. 5144  
 Needed: Public relations for program expansion. 5114  
 New concepts in child nutrition programs: nutrient standard for school feeding, computer-assisted-menu planning. 5181  
 A new decade for school food service. 5203  
 A new decade for school food service. 5211  
 New developments in school food service. 5097  
 The new era in nutrition. 5060  
 A new era in school food service. 5118  
 New food products and food preparation techniques. 5191  
 New foods in child nutrition programs: FNS "new food" notices. 5189  
 A new look at nutrition education ---The time capsule. 5046  
 Nominal group process for defining the problems in nutrition education. 5054  
 Nutrition and communication. 5151  
 Nutrition and mentality. 5037  
 Nutrition and social dependency. 5048  
 Nutrition at a price: Economics of menu planning. 5180  
 Nutrition education - A new dimension. 5058  
 Nutrition education: Resources available for the school food service supervisor (A panel discussion). 5157  
 Nutrition education: Selecting and organizing material for different age groups. 5154  
 Nutrition for young minds. 5029  
 Nutrition in school food service. 5208  
 Nutrition--A dimension of education. 5051  
 Nutrition, Learning, Behavior and Motivation. 5012  
 Nutrition: A pre-condition to learning. 5024  
 Nutritional aspects of engineered foods and delivery systems in school food service. 5033  
 OEO--The emergency food and medical services program and nutrition education. 5197  
 Open forum. 5165  
 Opinions of nutrition education. 5041  
 Organization and coordination of resources. 5085  
 Organizing centralized school food service systems. 5067  
 Other current projects. 5205  
 Panel on characteristics of centralized food service systems. 5136

TITLE INDEX

- Panel: Become involved in nutrition education. 5017  
Panel: Challenges which must be met to assure a successful food service program and the importance of good communication between school lunch personnel and the students, teachers, parents and principals in meeting these challenges. 5096  
Panel: Problems encountered in school food service. 5023  
Panel: Where do I begin and what do I do in nutrition education. 5042  
Participate in reactor discussion groups. 5171  
The people dimension. 5127  
Personnel training--A dimension of management. 5126  
Philosophy & need for technical innovation in child nutrition programs. 5213  
Planning short and long range objectives for the future of the school food services. 5130  
Planning: Planning a centralized School Food Service System. 5068  
Polyunsaturated fats--Life span--Cardiovascular disease. 5035  
Problem solving and conflict resolution. 5083  
Procedure for developing, submitting and evaluating individual projects. 5173  
Processing contracts for donated commodities. 5077  
Products and systems evaluated and industry liaison. 5194  
Project on foods and nutrition services in the Public Schools (in North Carolina). 5202  
Project review. 5174  
Purposeful change in school food service programs. 5076  
Qualitative and quantitative control of food. 5131  
Quality control of food in the school food service. 5087  
Rap sessions with Dr. Perryman--A dialogue with seminar participants. 5045  
Reaching significant publics: The parent and community involvement. 5138  
Reaching significant publics: The state of the boy, 1971. 5135  
Recent advances & problems in nutrition & food science, and implications for child nutrition programs. 5002  
Recent school food service trends: Implications to nutrition education [Panel 1.] [Panel 2.]. 5040  
Recommendations and implications of the Rutgers effort. 5110  
Related nutrition programs. 5215  
Relating school lunch and classroom teaching. 5159  
Review of basic nutrition concepts. 5059  
Review of management functions. 5099  
Review of protein and carbohydrate metabolism. 5010  
Role of nutrition education in the nutrition decade. 5043  
Roles and challenges of school food service in nutrition education. 5019  
School feeding programs as an aspect of the educational institution -- Panel discussion. 5086  
The school food service administrator and the computer. 5121  
The school food service labor relations picture. 5147  
School food service nutrition education finance project. 5200  
The school food service production kitchen. 5183  
The School Food Service System. 5132  
School lunch room as a living laboratory. 5169  
School Lunch Task Force Report. 5089  
The scope of current nutrition education efforts [Panel]. 5057  
Seminar evaluation. 5160  
Seminar evaluation. 5176  
Seminar evaluation plan [2] Reference list [3] Seminar participants. 5177  
Seminar projects and notes on program structure. 5178  
Sensible nutrition. 5013  
Sensory evaluation of foods. 5015  
Socio-culture aspects of food and eating -- A social scientist's approach (With group discussions). 5032  
Southwest Region's response to the challenge of nutrition education. 5201  
Staffing and training personnel for centralized school food service systems. 5150  
Staffing the school food service. 5084  
Statement of FNS policy on nutrition education & training. 5214  
Student involvement in school food service and nutrition programs. 5156  
Summary of discussion groups: "Use of food composition tables to determine nutrient content of a type "A" lunch. Discussion group no. 3. 5050  
A system---What it is and what it does. 5075  
A system---What it is and what it does. (Part 2). 5148  
A systematic training and teaching program. 5158  
Techniques for teaching nutrition to children. 5170  
Techniques of group dynamics. 5139  
Techniques of group involvement. 5179  
Testing of products is essential. 5185  
Textured vegetable protein (TVP). 5052  
The three A's of change - Anticipating, Accepting, Actuating. 5066  
Today's youth - A new breed of cat. 5128  
Trace minerals. 5026  
Training for school food service: some new concepts. 5168  
Trends in food service systems, panel discussions. 5078  
Truck and routing option (a model based on the distribution of donated commodities). 5186  
Understanding the community social system. 5106  
Unified approaches toward nutrition education through school food service and home economics education. 5018  
Utilizing outside contractors to expand school food service operations. 5102  
Vitamins and body structure. 5007  
What is nutrition education. 5152  
What is nutrition education: Why nutrition education? 5056  
What will we be eating tomorrow. 5192  
White House Conference recommendations applicable to school food service. 5117  
Why New Jersey schools do or do not participate in school feeding programs. 5216  
Why people eat what they eat. 5020  
Writing behavioral objectives. 5167  
Youth speaks: Student involvement in school food service -a panel discussion. 5149

